

THE
ROYAL NAVY
AND FOREIGN NAVIES.



ALSO

MERCANTILE MARINE STEAMERS



H.M.S. "MAJESTIC."

AVAILABLE AS ARMED CRUISERS & TRANSPORTS.

Illustrated.

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THE U.S. CONDOR

W. W. H. C.

Commanded by Captain Lord Charles Boscawen, during Bombardment of Alexandria, July 11th 1882.

THE



Illustrated

— Guide —

TO THE

ROYAL NAVY

AND FOREIGN NAVIES;

ALSO

MERCANTILE MARINE STEAMERS

AVAILABLE AS

ARMED CRUISERS AND TRANSPORTS,
&c., &c.

COMPILED AND EDITED

BY

FRED^K. T. M. GIBBS.

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Dedicated
TO



Capt. LORD CHARLES BERESFORD, Royal Navy,

Who was mainly instrumental in getting the Naval Defence Bill passed, the result being an addition to the Fleet of 70 Ships at a cost of about £21,000,000.

ABBREVIATIONS.

a. c. —Armed Cruiser.	cr. —Cruiser.
a. gb. —Armed Gunboat.	d. v. —Despatch Vessel.
b. —Barbette Ship.	gb. —Gunboat.
br. —Broadside Ship.	g. v. —Gun Vessel.
cb. —Central Battery Ship.	2 s. —Twin Screw.
c. d. s. —Coast-defence Ship.	t. —Turret Ship.
comp. —Composite Built Hull.	tor. bt. desr. —Torpedo-boat Destroyer.
c. t. —Conning Tower.	to. cr. —Torpedo Cruiser.
corv. —Corvette.	to. gb. —Torpedo Gunboat.
P. —Deck Protected throughout.	to. r. —Torpedo Ram.
p. p. —Partial Deck Protected.	

ARMAMENT ABBREVIATIONS.

L. —Light Guns.
M. L. R. —Muzzle-Loading Rifled Guns.
M. —Machine Guns.
Q. F. —Quick-Firing Guns.
F. Tu. —Fixed Tubes for Torpedoes.
B. Tu. —Bow Tube for Torpedoes.
Sub. —Submerged Tube Torpedoes.
L. Car. —Launching Carriage for Torpedoes.

ADDITIONS AFTER GOING TO PRESS

AND

ERRATA.

BRITISH NAVY. Building.

“Andromeda.” 1st class Cruiser. Pembroke.

“Diadem.” „ „ Glasgow.

“Europa.” „ „ „

“Niobe.” „ „ Barrow-in-Furness.

Ten 1st class Torpedo Boats. Various yards.

Seventy Torpedo Boat Destroyers. Various yards. Many of these have been Launched.

To be Laid Down 1896-7.

Five new Battleships. Armoured.

Four 1st class Cruisers. Protected.

Three 2nd „ „ Steel.

Six 3rd „ „ Steel.

Twenty Torpedo Boat Destroyers.

Page 126. NAVAL PORTS. *Read* also Singapore, Southampton, Keyham, Port Said and Mauritius.

„ 132. SS. “Etruria.” *Read* as belonging to Cunard Line (not White Star Line.)

„ 130. SS. “Scott” and “Norman” of Union SS. Company, *read* accommodation for 1,250 troops each.

„ „ “Tantallon Castle” (Donald Currie & Co.)—*read* 16½-knot Steamer.

„ „ SS. “India” (P. & O.) late addition.

SS. “Empress of India”

SS. “Empress of China” } *Read* 16½ knot Steamers. Accommodation for 1,500 troops each.

SS. “Empress of Japan” }

UNITED STATES NAVY.

“Iowa.” Battleship. Launched 1896.

“Kearsaye” and “Kentucky.” Battleships. Building.

“Albatross.” Gun Vessel Class.

“Penguin.” „ „

Three Paddle Steamers. Sloop Class. Building.

Ten Screw „ „

Three Torpedo Boats „

One Torpedo Boat Destroyer „

Twelve Torpedo Destroyers. To be contracted for.

Six New Gunboats. Building.

FRENCH NAVY.

Page 160. “Marceau.” Battleship. Ind. H.P., *read* 12,000 (not 12,000 tons).

“Gaulois.” „ Length, 385 ft. 6 in. Breadth, 66 ft. 7 in. Draught, 25 ft. 10 in. Displacement, 11,230 tons. Ind. H.P., 14,500. Speed, 18 knots. Armament, four 30 C.M., ten 14 C.M. Q.F. Six 10 C.M. Q.F., besides others. Armour, 16 in., for Belt and Barbettes. Deck Plating, 3½—1½. Cost, about £1,085,000.

Page 161. “Bouret.” Battleship, *read* Building.

Two new 3rd class Cruisers, of about 2,000 tons, to be built. Cost about £144,000.

Page 184. “Foudre.” Torpedo Depot Ship, *read* Launched 1895.

“Dunios.” Building. Cherbourg, 1896. Torpedo Gunboat.

“La Hire.” „ „ „ „ „

RUSSIAN NAVY.

Page 190. “Gheorghii Pobiedonosets.” *Read* “Georgi Pobyedonosets.”

„ 196. “Rossija.” *Read* “Rossya,” a new Battleship. Full particulars not known.

„ 193. “Rurik.” *Read* Launched 1894. Completed 1895.

RUSSIAN NAVY—*continued.*

- Page 190. "Dvenadzat Apostolovs." *Read* "Dvenadzat Apostoloff."
"Oslabya." New Battleship. Displacement, 12,175 tons. Armament not known. Launched 1896.
- Page 191. "Petropaulovski." *Read* "Petropaulovsk."
"Peresviet." Battleship. Displacement, 12,674 tons. Ind. H.P., 14,500. Launched 1896.
"Peter Velike." Battleship (old). Displacement, 9,665 tons. Armour, 14 in. Armament, four 12 in. with Q.F. Guns.
"Roslislav." Battleship. Displacement, 8,800 tons. Armour, 16 in. Armament, four 12-in., eight 6-in. Q.F. To be completed 1898.
"Soissoi Velike." Battleship. Displacement, 8,800 tons. Armour, 16 in., four 12 in., six 6-in. Q.F.
"Soissoi No. 3." Battleship. Building. Displacement, 9,000 tons.
Two Protected Cruisers. Building at Havre.
"Admiral Ushahov " } (sister Ships to "Admiral Seniavin"). Launched 1896.
"Admiral Apraxine " }
"Chraleriji." Keel laid June 1st, 1895, St. Petersburg. Gunboat.
"Viennyi." " " " " Training Ship.
"Grozjastchy" and "Khrabry" in course of construction. Armoured Gunboats.
"Guiliak." Gunboat. Keel laid May, 1896.
One Stern Wheel Gunboat. Launched 1896, by Messrs. Yarrow.
- Page 201. "Vzadnidk." Torpedo Gunboat. *Read* "Vsadidk."
SS. "Kherson." Volunteer Fleet. Launched 1896.
Several additional Warships. Keels will be laid 1896.

ITALIAN NAVY.

- "Lepauto." Battleship. *Read* "Laponto."
"Italia." *Read* as Battleship.
"Puglia." 3rd class Cruiser. Building.
Several smaller Vessels in course of construction.

GERMAN NAVY.

- Page 225. { "Odin " } Names of the two Coast Defence Ships. Launched 1895.
"Ægir " }
New Battleship. Building. Displacement, 9,842 tons. Full particulars not known.
One 3rd class Cruiser to be built. Displacement, about 6,000 tons. Speed, 21 knots.

AUSTRIAN NAVY.

- "Budapest." Battleship. Displacement, 5,550 tons. Ind. H.P., 8,500. Length, 309 ft. 10 in. Breadth, 56 ft. 8 in. Draught, 21 ft. Speed, 17 knots.
"Monarch and Wien." Same as "Budapest." Launched 1895.
"Grief Ersatz." Torpedo Cruiser, Building, and two smaller Gunboats.

ARGENTINE NAVY.

- "Sans Martin." Armoured Cruiser. Launched 1896.
"Buenos Ayres." Displacement, 4,750 tons. Ind. H.P., 14,000. Length, 396 ft. Breadth, 47 ft. 2 in. Draught, 16 ft. 10 in. Speed, 23 knots.
One Torpedo Destroyer. First of her class ever built. Launched 1896, by Messrs. Yarrow & Co. Three more Building.

JAPANESE NAVY.

- New Armoured Cruiser "Fiji." Launched 1896.
Several Torpedo Boats in course of construction.
It is stated that orders will shortly be placed for four new Battleships and six Cruisers.

CHILIAN NAVY.

- "Ministro Zenteno." 1st class Cruiser. Launched 1896. Speed, 20 knots.
"Esmeralda." Cruiser. Launched 1896.
Two Torpedo Gunboats, Building.
Six Torpedo Boats. Building by Messrs. Yarrow. Length, 152 ft. 6 in. Breadth, 15 ft. 3 in. Speed, about 25½ knots.

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AN ANNUAL SUPPLEMENT WILL BE PRINTED, WITH STATISTICS, &c.

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INTRODUCTION.

THE Author, in introducing this work, trusts that his endeavour will meet with the approbation of the public. The greatest care has been taken to make it a substantial authority and reference to date regarding our Men-of-War and Mercantile Marine Steamers, available, if needed, as armed Cruisers and Transports; over 80 of the former and many of the latter are Illustrated, as well as latest additions (as far as obtainable) of several Foreign Navies, from photographs taken by Messrs. WEST & SON, of Southsea.

The need of a powerful Navy cannot be too strongly impressed on the British Public, and with that object in view I have endeavoured to show clearly our real strength in comparison with Foreign Powers.

The dependence on the Navy to defend our Ports at home, our Colonies, and Coaling Stations, and above all our immense and ever-increasing Shipping Trade, cannot be over-estimated. We must not overlook the fact that other Nations, particularly France and Russia, have also very fine Navies, which are really in proportion to their interests superior to our own; whereas we shall have to distribute our Navy over a *large* portion of the globe, for defending our commercial interests, they, with so little at stake in comparison, would, after providing relatively the same protection for their shipping, have sufficient vessels to spare to render our position exceedingly serious and risky.

The public should be thoroughly roused to the fact that our Navy must be in a position to cope with a combination of any two foreign Navies; others can see how absolutely dependent we are on our ships to bring raw material for our various industries, as well as breadstuffs and provisions for our food.

A more adequate defence of our shipping interests is therefore of vital importance ; moreover, the fact of our being unprepared and weak would constitute the greatest danger to the peace of the world.

France, for example, with a Navy not so very inferior to our own in strength, has to defend only about $1\frac{1}{2}$ million tons of shipping, while we have to protect the enormous amount of 12 million tons ; in proportion, therefore, our Navy is far inferior to that of France, and England may one day have reason to lament her culpable negligence when it is too late.

In turning over the pages of this work the reader will be able to gauge the whole question himself, and if he believed before in curtailing our Navy, he will probably be of a very different opinion after he has carefully considered the material now placed before him.



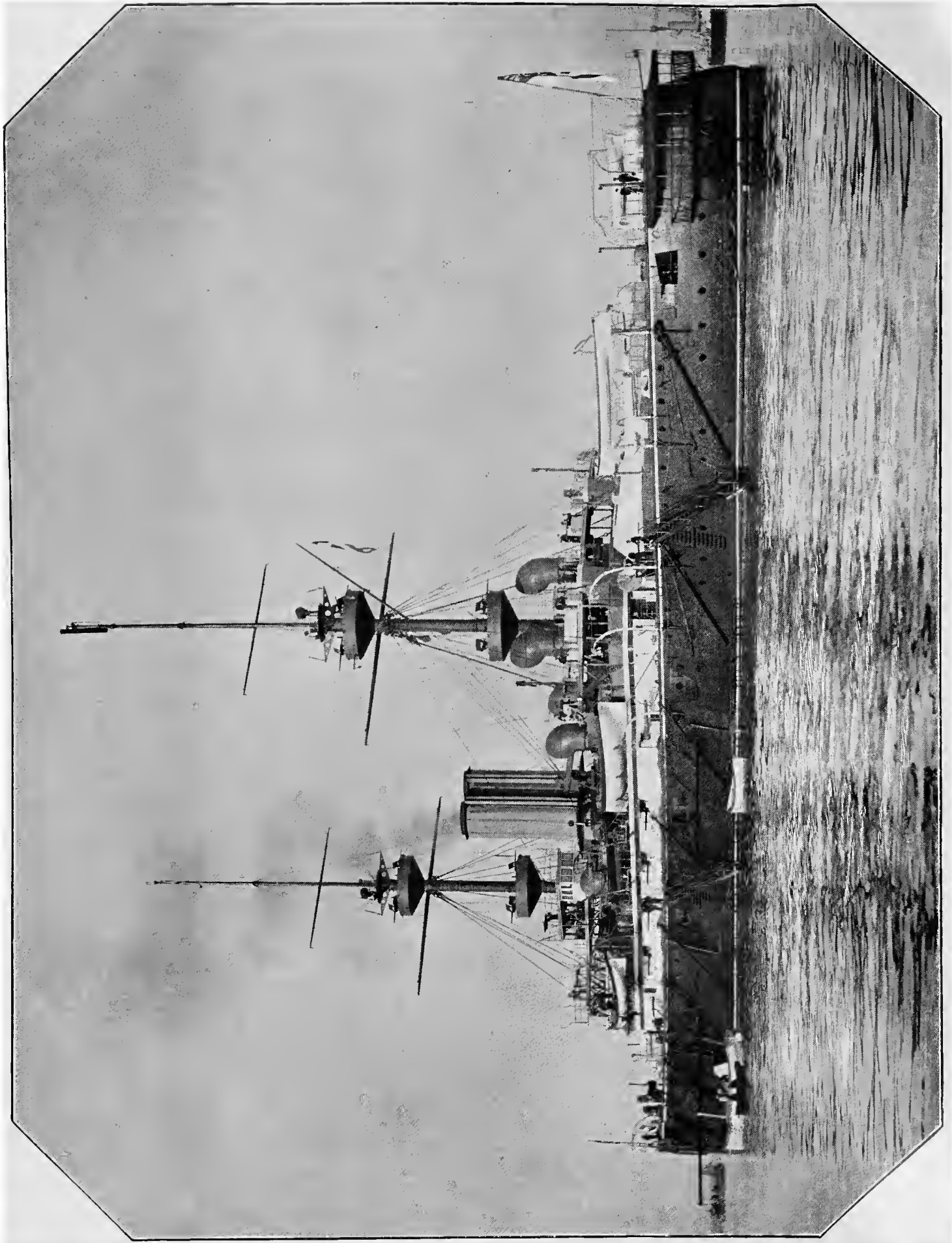


Photo by G. WEST & SON,
Southsea.

H.M.S. "MAGNIFICENT." (See p. 6.)

BRITISH NAVY.

SEA-GOING ARMOUR-CLAD SHIPS.

BARBETTE CLASS.

ANSON (Steel). Twin Screws. 1st Class.

Length, 330 ft. Breadth, 68 ft. 6 in. Draught, 27 ft. 3 in.
Displacement, 10,600 tons. Indicated H.P., 11,500 F.D. Coal, 1,200 tons.
Where built, Pembroke. Maker of Engines, Humphrys. Speed, 16½ knots.
When completed, 1889. Cost, £725,000 (about). Steam, 7,100 knots at 10 knots speed.
Armament, four 67-ton. Six 6-in. Twelve 6-pounders, Q.F. Ten 3-pounders, Q.F. Seven
Machine, two light.
Armour, side 18 in. compound. Bulkhead, 16 in. compound. Barbette, 14 to 12 in. compound.
Backing, 10 to 15 in. Deck Plating, 3 and 2½ in.
Torpedoes, one fixed tube, four Launching Carriages. Complement, 515.

BARFLEUR (Steel, Copper Sheathed). Twin Screws. 1st Class.

Length, 360 ft. Breadth, 70 ft. Draught, 25 ft. 6 in.
Displacement, 10,500 tons. Indicated H.P., 13,163. Coal, 1,240 tons.
Where built, Chatham. Makers of Engines, Greenock Foundry. Speed, 18 knots.
When completed, 1894. Launched, 1892. Cost, £600,000 (about). Steam, 5,200 knots at 10 knots
speed.
Armament, four 29-ton. Ten 4·7 in., Q.F. Eight 6-pounders, Q.F. Twelve 3-pounders, Q.F. Seven
Machine, two light.
Armour, side 12 in. compound, 4 in. nickel steel above. Bulkhead, 12 in. compound. Barbette, 9 in
Deck Plating, 2½ and 2 in.
Torpedoes, seven fixed (two submerged). Complement, 606.

BENBOW (Steel). Twin Screws. 1st Class.

Length, 330 ft. Breadth, 68 ft. 6 in. Draught, 27 ft. 3 in.
Displacement, 10,600 tons. Indicated H.P., 11,500. Coal, 1,200 tons.
Where built, Blackwall. Maker of Engines, Maudslay. Speed, 16½ knots.
When completed, 1888. Cost, £761,000 (about). Steam, 7,100 knots at 10 knots speed.
Armament, two 111-ton. Ten 6-in. Eight 6-pounders, Q.F. Ten 3-pounders Q.F. Seven
Machine, two light.
Armour, side 18 in. compound. Bulkhead, 16 in. compound. Barbette, 14 and 12 in. compound.
Backing, 12 to 15 in. Deck Plating, 3 and 2½ in.
Torpedoes, one fixed tube, four Launching Carriages. Complement, 309.

BARBETTE CLASS—*continued.***CAMPERDOWN** (Steel). Twin Screws. 1st Class.

Length, 330 ft. Breadth, 68 ft. 6 in. Draught, 27 ft. 3 in.
 Displacement, 10,600 tons. Indicated H.P., 11,500. Coal, 1,200 tons. Coal endurance, 7,100 knots at 10 knots speed.
 Where built, Portsmouth. Maker of Engines, Maudslay. Speed, 16½ knots.
 When completed, 1889. Cost, £770,000 (about).
 Armament, four 67-ton. Six 6-in. Twelve 6-pounders, Q.F. Ten 3-pounders, Q.F. Seven Machine, two light.
 Armour, side 18 in. compound. Bulkhead, 16 in. compound. Barbette, 12 to 14 in. compound. Backing, 10 to 15 in. Deck Plating, 3 and 2½ in.
 Torpedoes, four Launching Carriages. Complement, 515.

CÆSAR. Twin Screw Battle Ship. 1st Class.

(*Building at Portsmouth.*) Engines, Maudslay. Cost, £980,000 (about). Speed, 17½ knots.
 Displacement, 14,900 tons. Indicated H.P., 10,000 N.D. (about 12,000 F.D.) Coal, 1,850 tons. Endurance, 6,800 knots.
 Armament, four 12 in. wire. Twelve 6 in., Q.F. Sixteen 12-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.
 Armour, 9 in. H.S. side. Bulkhead, 14 to 9 in. H.S. Barbette, 14 to 8 in. 6 in. Casement H.S. Deck Plating, 4 and 2½ in.
 Torpedoes, five fixed tubes (four submerged). Complement, 757.

CENTURION (Steel, Copper Sheathed). Twin Screws. 1st Class.

Length, 360 ft. Breadth, 70 ft. Draught, 25 ft. 6 in.
 Displacement, 10,500 tons. Indicated H.P., 13,214. Coal, 1,240 tons. Coal endurance, 5,180 knots at 10 knots speed.
 Where built, Portsmouth. Makers of Engines, Greenock Foundry. Speed, 18½ knots.
 When completed, 1893. Cost, £608,100 (about).
 Armament, four 29-ton. Ten 4·7-in., Q.F. Eight 6-pounders, Q.F. Twelve 3-pounders, Q.F. Seven Machine, two light.
 Armour, side 12 in. compound, 4 above. Bulkhead, 12 in. compound. Barbette, 9 in. compound. Deck Plating, 2½ and 2 in.
 Torpedoes, seven fixed tubes (two submerged). Complement, 622.

COLLINGWOOD (Steel). Twin Screws. 1st Class.

Length, 325 ft. Breadth, 68 ft. Draught, 26 ft. 10 in.
 Displacement, 9,500 tons. Indicated H.P., 9,570. Coal, 1,200 tons. Coal endurance, 8,500 knots at 10 knots speed.
 Where built, Pembroke. Maker of Engines, Humphrys. Speed, 16¼ knots.
 When completed, 1886. Cost, £624,000 (about).
 Armament, four 45-ton. Six 6-in. Twelve 6-pounders, Q.F. Eight 3-pounders, Q.F. Six Machine, two light.
 Armour, side 18 in. compound. Bulkhead, 16 in. compound. Barbette, 12 to 14 in. compound. Backing, 17 to 10 in. Deck Plating, 2½ in.
 Torpedoes, four Launching Carriages. Complement, 480.



Photo by G. WEST & SON,
Southsea.

H.M.S. "ANSON." (See p. 1.)

BARBETTE CLASS—*continued.***EMPRESS OF INDIA** (Steel). Twin Screws. 1st Class.

Length, 380 ft. Breadth, 75 ft. Draught, 27 ft. 6 in.

Displacement, 14,150 tons. Indicated H.P., 13,000. Coal, 900 tons. Coal endurance, 5,000 knots at 10 knots speed.

Where built, Pembroke. Engines, Humphrys. Speed, 17½ knots.

Completed, 1893. Cost, £838,100 (about).

Armament, four 67-ton. Ten 6-in., Q.F. Sixteen 6-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.

Armour, belt 18 in. compound, 4 in. above belt. Bulkheads, 16 in. compound. Barbette, 17 in. compound. Deck Plating, 3 in.

Torpedoes, seven fixed tubes or Launching Carriages (two submerged). Complement, 730.

HANNIBAL. Twin Screw Battle Ship. 1st Class.

Built at Pembroke. Launched, 1896. Engines, Harland. Cost, £950,000 (about). Speed 17½ knots.

Displacement, 14,900 tons. Indicated H.P., 10,000 N.D. (about 12,000 F.D.) Coal, 1,850 tons. Endurance, 6,800 knots.

Armament, four 12-in. wire. Twelve 6-in., Q.F. Sixteen 12-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.

Armour, side 9 in. H.S. Bulkhead, 14 to 9 in. H.S. Barbette, 14 to 8 in. 6-in. Casement. Deck Plating, 4 and 2½ in.

Torpedoes, five fixed tubes (four submerged). Complement, 757.

HOWE (Steel). Twin Screws. 1st Class.

Length, 325 ft. Breadth, 68 ft. Draught, 27 ft. 3 in.

Displacement, 10,300 tons. Indicated H.P., 11,500. Coal, 1,200 tons. Endurance, 7,200 knots at 10 knots.

Where built, Pembroke. Engines, Humphrys. Speed, 16½ knots.

Completed, 1889. Cost, £667,000 (about).

Armament, four 67-ton. Six 6-in. 5-ton. Twelve 6-pounders, Q.F. Ten 3-pounders, Q.F. Seven Machine, two light.

Armour, side 18 in. compound. Bulkhead, 16 in. compound. Barbette, 11½ to 10 in. compound. Backing, 15 to 12 in. Deck Plating, 3 and 2½ in.

Torpedoes, one fixed tube, four Launching Carriages. Complement, 515.

ILLUSTRIOUS. Twin Screw Battle Ship. 1st Class.

Launched, 1895. Where built, Chatham. Engines, Penn.

Displacement, 14,900 tons. Indicated H.P., 10,000 N.D. (about 12,000 F.D.) Speed, 17½ knots.

Cost, £950,000. Coal, 1,850 tons. Endurance, 6,800 knots at 10 knots speed.

Armament, four 12-in. wire. Twelve 6-in., Q.F. Sixteen 12-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.

Armour, side 9 in. H.S. Bulkhead, 14 to 9 in. H.S. Barbette, 14 to 8 in. H.S. 6-in. Casements. Deck Plating, 4 and 2½ in.

Torpedoes, five fixed tubes (four submerged). Complement, 757.

JUPITER. Twin Screw Battle Ship. 1st Class.

(Building at Glasgow.)

Displacement, 14,900 tons. Indicated H.P., 10,000 N.D. (about 12,000 F.D.) Speed, 17½ knots.

Cost, £950,000. Coal, 1,850 tons. Endurance, 6,800 knots at 10 knots speed.

Armament, four 12-in. wire. Twelve 6-in., Q.F. Sixteen 12-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.

Armour, side 9 in. H.S. Bulkhead, 14 to 9 in. H.S. Barbette, 14 to 8 in. H.S. 6-in. Casements. Deck Plating, 4 and 2½ in.

Torpedoes, five fixed tubes (four submerged). Complement, 757.



Photo by G. WEST & SON,
Southsea.

H.M.S. "EMPRESS OF INDIA." (See p. 4.)

BARBETTE CLASS—*continued.***MAGNIFICENT.** Twin Screw Battle Ship. 1st Class.

Length, 390 ft. Breadth, 75 ft. Draught, 27 ft. 6 in.

Displacement, 14,900 tons. Indicated H.P., 12,125 I.D. Speed, 18 knots.

Commenced May 28th, 1894. Where built, Chatham. Engines, John Penn. Launched, 1895.

Seven Decks, viz.: Platform, Lower, Middle, Upper, Boat and Shelter Decks.

Armour Deck, averaging 3 inches in thickness throughout the ship; protecting Machinery, Air Compressors, Steering Gear, Magazines and Shell Rooms.

There are 48 Watertight Compartments, all watertight; above the inner bottom she is again divided into 180 Watertight Spaces, and 190 Watertight doors. Armour plates are of Harveyed Steel, from 8 to 14 inches thick.

Armour, side 9 H.S. Barbette, 14 to 9 in. H.S. Battery, 14 to 8 in. H.S. Deck Plating, 4 to 2½ in. Casements, 6 in.

Armament, four 50-ton 12-in. guns, mounted in pairs or turntables, very strongly armoured. In addition, she will carry twelve 6 in. Q.F. in armour casements 6 inches thick.

Latest developments of the Elswick Company.

She also carries 38 smaller Q.F. guns, and five torpedo tubes for discharge of 18 in. Whitehead torpedoes. Four Military tops, two on each mast, fitted with three electric searchlights and eight 3-pounder Q.F. guns.

On Shelter Decks are the Conning Towers, the fore one being protected by 14 in. and the after by 3 in. armour. Coal capacity, 2,200 tons.

Complement, 757.

MAJESTIC. Twin Screw Battle Ship. 1st Class.

Length, 390 ft. Breadth, 75 ft. Draught, 27 ft. 6 in. Built at Portsmouth.

Displacement, 14,900 tons. Indicated H.P., 10,000 N.D. (Forced Draught.) Speed, 18 knots.

Engines by Barrow. Launched, 1895.

Seven Decks, viz.: Platform, Lower, Middle, Upper, Boat and Shelter Decks.

Armour Deck, averaging 3 inches in thickness throughout the ship; protecting Machinery, Air Compressors, Steering Gear, Magazines and Shell Rooms.

There are 48 Watertight Compartments, all watertight; above the inner bottom she is again divided into 180 Watertight Spaces, and 190 Watertight doors. Armour plates are of Harveyed Steel, from 8 to 14 inches thick.

Armour, side 9 H.S. Barbette, 14 to 9 in. H.S. Battery, 14 to 8 in. H.S. Deck Plating, 4 to 2½ in. Casements, 6 in.

Armament, four 50-ton 12-in. guns, mounted in pairs or turntables, very strongly armoured. In addition, she will carry twelve 6-in. Q.F. in armour casements 6 inches thick.

Latest developments of the Elswick Company.

She also carries 38 smaller Q.F. guns, and five torpedo tubes for discharge of 18 in. Whitehead torpedoes. Four Military tops, two on each mast, fitted with three electric searchlights and eight 3-pounder Q.F. guns.

On Shelter Decks are the Conning Towers, the fore one being protected by 14 in. and the after by 3 in. armour. Coal capacity, 2,200 tons.

Complement, 757.

MARS. Twin Screw Battle Ship. 1st Class.

(Building at Birkenhead.)

Displacement, 14,900 tons. Indicated H.P., 10,000 N.D. (about 12,000 F.D.) Speed, 17½ knots.

Cost £950,000. Coal, 1,850 tons. Endurance, 6,800 knots at 10 knots speed.

Armament, four 12-in. wire. Twelve 6-in., Q.F. Sixteen 12-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.

Armour, side 9 in. H.S. Bulkhead, 14 to 9 in. H.S. Barbette, 14 to 8 in. H.S. 6-in. Casements. Deck Plating, 4 and 2½ in.

Torpedoes, five fixed tubes (four submerged). Complement, 757.



Photo by G. WEST & SON,
Southsea.

H.M.S. "HOWE." (See p. 4.)

BARBETTE CLASS—*continued.***PRINCE GEORGE.** Twin Screw Battle Ship. 1st Class.

Built at Portsmouth. Launched, 1895.

Displacement, 14,900 tons. Indicated H.P., 10,000 N.D. (about 12,000 F.D.) Speed, 17½ knots.

Cost, £950,000. Coal, 1,850 tons. Endurance, 6,800 knots at 10 knots speed.

Armament, four 12-in. wire. Twelve 6-in., Q.F. Sixteen 12-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.

Armour, side 9 in. H.S. Bulkhead, 14 to 9 in. H.S. Barbette, 14 to 8 in. H.S. 6-in. Casements. Deck Plating, 4 and 2½ in.

Torpedoes, five fixed tubes (four submerged). Complement, 757.

RAMILLIES (Steel). Twin Screws. 1st Class.

Length, 380 ft. Breadth, 75 ft. Draught, 27 ft. 6 in.

Displacement, 14,150 tons. Indicated H.P., 13,000. Coal, 900 tons. Endurance, 5,000 knots at 10 knots speed.

Where built, Glasgow. Engines, Thomson. Speed, 17½ knots.

Completed, 1893. Cost, £874,250 (about).

Armament, four 67-ton. Ten 6-in., Q.F. Sixteen 6-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.

Armour, side 18 in. compound, 5 in. above the belt. Bulkhead, 16 in. compound. Barbette, 17 in. Deck Plating, 2½ in.

Torpedoes, seven fixed tubes or Launching Carriages (two submerged). Complement, 730.

RENOWN (Steel and Copper Sheathed). Twin Screw. 1st Class.

Length, 380 ft. Breadth, 72 ft. Draught, 26 ft. 9 in.

Displacement, 12,350 tons. Indicated H.P., 12,000. Coal, 800 tons. Endurance, about 5,000 knots at 10 knots speed.

Where built, Pembroke. Engines, Maudslay. Speed, 18 knots.

Completed, 1894. Cost, £679,150 (about).

Armament, four 10-in. 29-ton. Ten 6-in., Q.F. Eight 12-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.

Armour, side 8 to 6 in. H.S. Bulkhead, 10 to 6 in. H.S. Barbette, 10 in. H.S. Deck Plating, 3 and 2 in.

Torpedoes, seven fixed tubes or Launching Carriages (two submerged). Complement, 674.

REPULSE (Steel). Twin Screw. 1st Class.

Same as *Ramillies*.

Engines by Humphrys. Endurance, 5,000 knots at 10 knots speed.

Where built, Pembroke. Completed, 1894. Cost, £841,250. Complement, 730.

RESOLUTION (Steel). Twin Screw. 1st Class.

Length, 380 ft. 75 ft. broad. Draught, 27 ft. 6 in.

Displacement, 14,150 tons. Hull divided into 220 watertight compartments, with longitudinal bulkheads, and there is a double bottom.

Built on the Tyne, by Palmer's Shipbuilding and Iron Company, Limited. Cost, £852,750 (about).

Engines by same firm.

Launched May 28th, 1892.

Armour, steel-faced armour belt, 18 in. thick and 8 ft. 6 in. wide, extending 252 ft. amidships, and tapering at the ends to 14 in., with a lighter belt 4 in. above this, and the coal bunkers behind it. Protective steel 3 in. thick.

Armament, four 67-ton B.L. Guns. Ten 100-pounder Q.F. Guns. Thirty light guns. Seven Torpedo tubes.

Indicated H.P., natural draught, 9,000. Speed, 16 knots. Coal capacity, 900 tons. Coal at designed load line, with which she can steam 5,000 miles at 10 knots. Complement, 730.

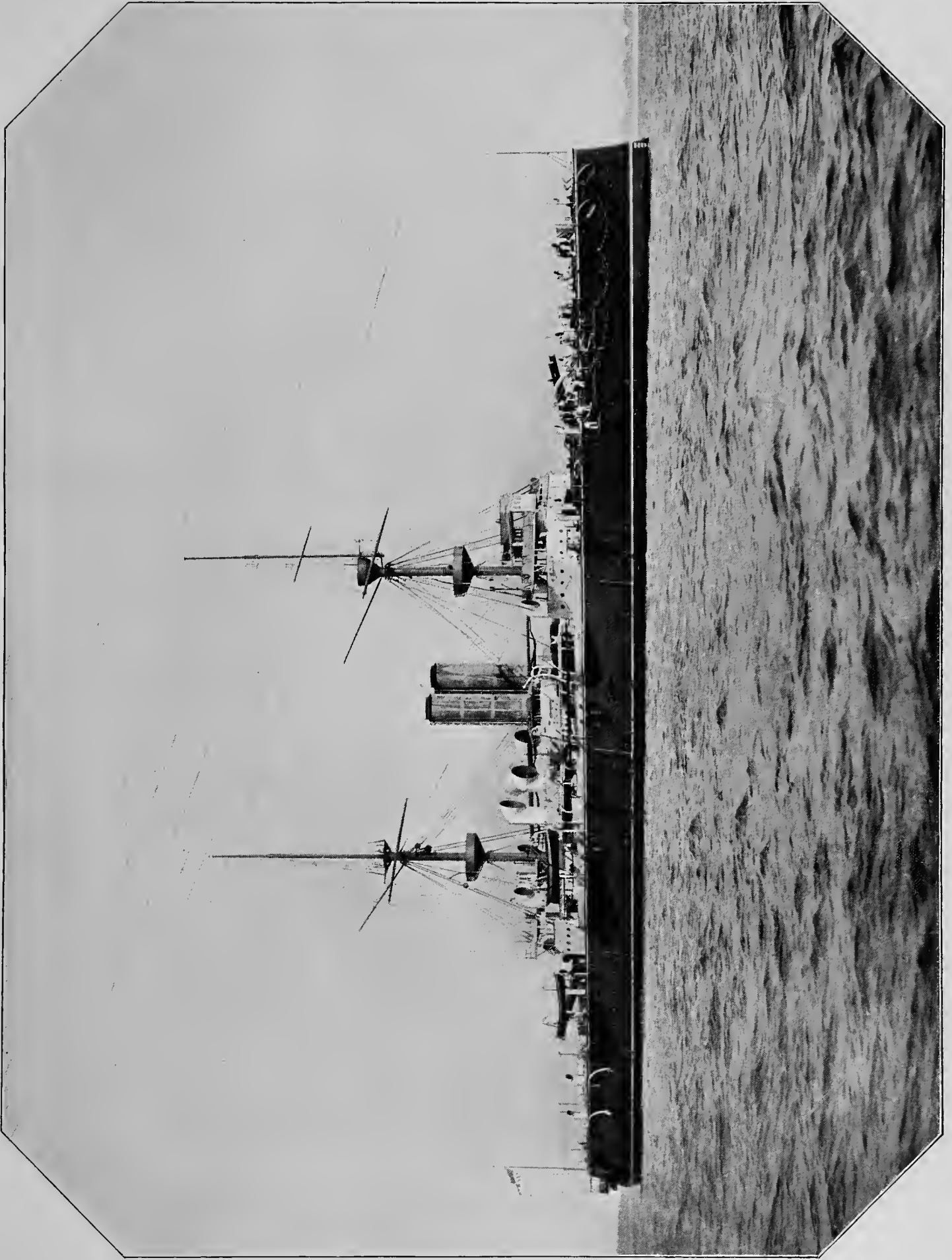


Photo by G. WEST & SON,
Southsea.

H.M.S. "RAMILLIES."

BARBETTE CLASS—*continued.***REVENGE** (Steel). Twin Screw. 1st Class.

Length, 380 ft. 75 ft. wide. Draught, 27 ft. 6 in.

Displacement, 14,150 tons. 19 ft. 6 in. freeboard, and 18 ft. aft.

Built by Palmer's Shipbuilding and Iron Company, Jarrow. Cost, £852,500 (about).

Engines, indicated H.P., forced draught 13,000, and 9,000 natural draught. Speed, 16 N.D., 17½ extreme. Coal capacity, 900 tons. The hull alone absorbs 9,640 tons; of total displacement, of that amount 7,200 tons have been worked into the structure. Built of mild steel. Stern, sternpost, rudder, and shaft brackets of cast steel. Hull divided into 220 watertight compartments; double bottom to engine room and main magazine spaces.

The upper deck extends from stem to stern without a break; above it are the shelter decks, on which are two conning towers. The barbettes project through the upper deck a few feet.

The barbettes have steel-faced armour 17 in. thick. The armour of forward conning tower is 14 in. thick, and the casements of the 6-in. guns have 6-in. plates. A sloping protective deck of steel, 2½ in. thick, extends below the water line 76 ft. from the bow, and from the stern 72 ft.; between these two points is a protective deck 3 in. thick and 3 ft. above water line, with a steel-faced armour belt 18 in. thick and 8 ft. 6 in. wide. Along 250 ft. amidships there is also a light belt of armour 4 in. thick above. The coal bunkers are behind this armour.

Armament, four 67-ton B.L. Guns of 13½ calibre, with a training of 120 degrees on each side. Also ten 6-in. 100 pounder Q.F. Guns. Also 30 small Q.F. Guns. Two light Field Guns, five Nordenfeldt Machine Guns, and seven Torpedo tubes. Complement, 730.

RODNEY (Steel). Twin Screws. 1st Class.

Length, 325 ft. Breadth, 68 ft. Draught, 27 ft. 3 in.

Displacement, 10,300 tons. Indicated H.P., 11,500. Coal, 1,200 tons. Endurance, 8,500 knots at 10 knots speed.

Where built, Chatham. Engines, Humphrys. Speed, 16¾ knots.

Completed, 1888. Cost, £669,300 (about).

Armament, one 69-ton. Three 67-ton. Six 6 in. 5-ton. Twelve 6-pounders, Q.F. Ten 3-pounders, Q.F. Ten Machine, two light.

Armour, belt 18 in. compound. Bulkheads, 16 in. compound. Barbette, 11½ to 10 in. compound. Backing, 15 to 12 in. Deck Plating, 3 and 2½ in.

Torpedoes, four Launching Carriages. Complement, 515.

ROYAL OAK (Steel). Twin Screws. 1st Class.

Length, 380 ft. 75 ft. wide. Draught, 27 ft. 6 in.

Displacement, 14,150 tons. 19 ft. 6 in. freeboard, and 18 ft. aft.

Completed, 1894. Cost, £877,400 (about).

Where built, Birkenhead. Engines, Laird.

Engines, indicated H.P., forced draught 13,000, and 9,000 natural draught. Speed, 16 N.D., 17½ extreme. Coal capacity, 900 tons. The hull alone absorbs 9,640 tons; of total displacement, of that amount 7,200 tons have been worked into the structure. Built of mild steel. Stern, sternpost, rudder, and shaft brackets of cast steel. Hull divided into 220 watertight compartments; double bottom to engine room and main magazine spaces.

The upper deck extends from stem to stern without a break: above it are the shelter decks, on which are two conning towers. The barbettes project through the upper deck a few feet.

The barbettes have steel-faced armour 17 in. thick. The armour of forward conning tower is 14 in. thick, and the casements of the 6-in. guns have 6-in. plates. A sloping protective deck of steel, 2½ in. thick, extends below the water line 76 ft. from the bow, and from the stern 72 ft.; between these two points is a protective deck 3 in. thick and 3 ft. above water line, with a steel-faced armour belt 18 in. thick and 8 ft. 6 in. wide. Along 250 ft. amidships there is also a light belt of armour 4 in. thick above. The coal bunkers are behind this armour.

Armament, four 67-ton B.L. Guns of 13½ calibre, with a training of 120 degrees on each side. Also ten 6-in. 100-pounder Q.F. Guns. Also 30 small Q.F. Guns. Two light Field Guns, five Nordenfeldt Machine Guns, and seven Torpedo tubes. Complement, 730.

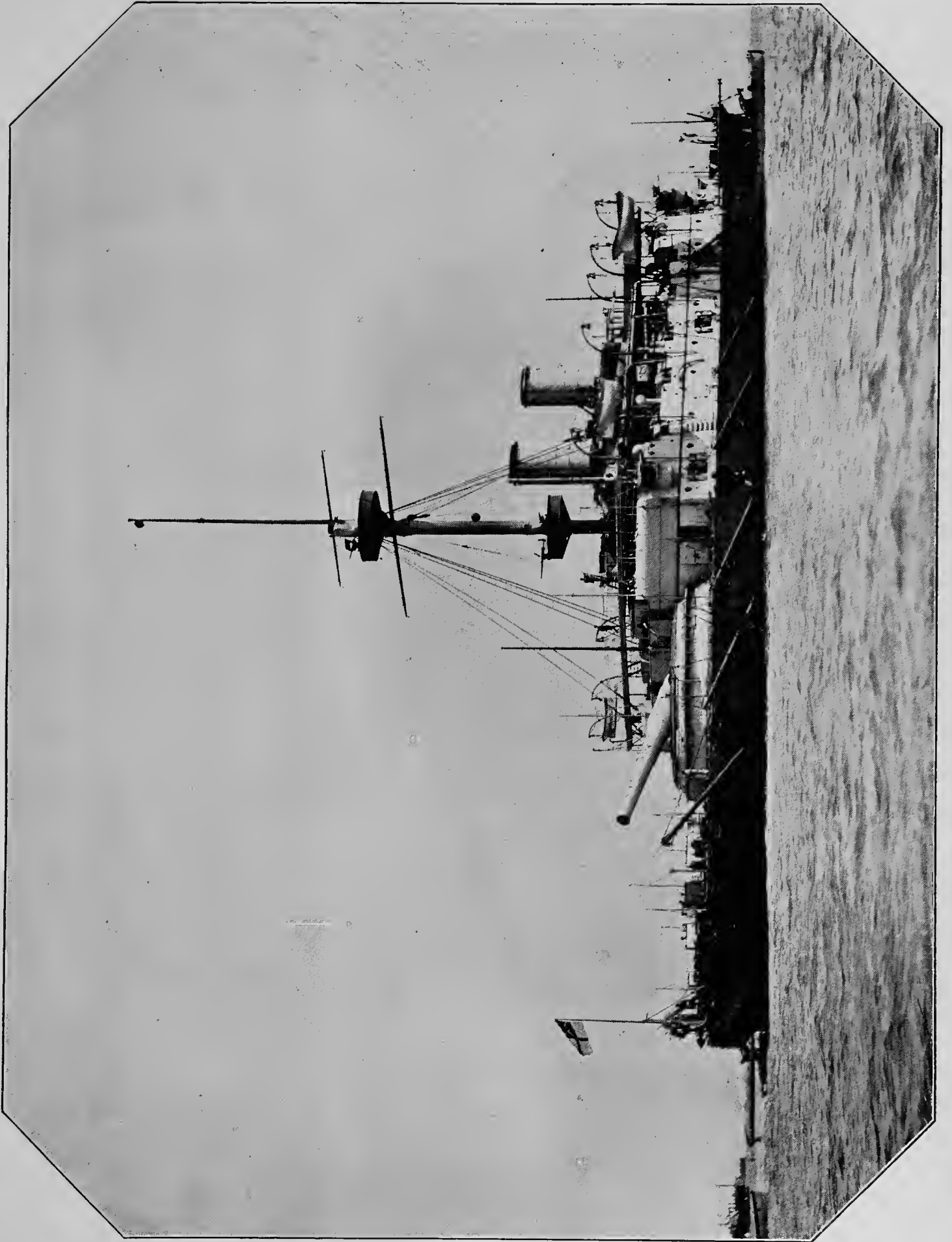


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H.M.S. "BENBOW." (See p. 1.)

BARBETTE CLASS—*continued.***ROYAL SOVEREIGN** (Steel). Twin Screws. 1st Class.

Length, 380 ft. 75 ft. wide. Draught, 27 ft. 6 in.

Displacement, 14,260. Indicated H.P., 13,312. Speed, 18 knots.

Completed, 1892. Cost £824,600 (about).

Where built, Portsmouth. Engines, Humphrys.

Engines, indicated H.P. forced draught, 13,000, and 9,000 natural draught.

Speed, 16 N.D., 17½ extreme.

Coal capacity, 900 tons. The hull alone absorbs 9,640 tons; of total displacement, of that amount 7,200 tons have been worked into the structure. Built of mild steel. Stern, sternpost, rudder, and shaft brackets of cast steel. Hull divided into 220 watertight compartments; double bottom to engine room and main magazine spaces.

The upper deck extends from stem to stern without a break; above it are the shelter decks, on which are two conning towers. The barbettes project through the upper deck a few feet.

The barbettes have steel-faced armour 17 in. thick. The armour of forward conning tower is 14 in. thick, and the casements of the 6-in. guns have 6-in. plates. A sloping protective deck of steel, 2½ in. thick, extends below the water line 76 ft. from the bow, and from the stern 72 ft.; between these two points is a protective deck 3 in. thick and 3 ft. above water line, with a steel-faced armour belt 18 in. thick and 8 ft. 6 in. wide. Along 250 ft. amidships there is also a light belt of armour 4 in. thick above. The coal bunkers are behind this armour.

Armament, four 67-ton B.L. Guns of 13½ calibre, with a training of 120 degrees on each side. Also ten 6-in. 100-pounder Q.F. Guns. Also 30 small Q.F. Guns. Two light Field Guns, five Nordenfeldt Machine Guns, and seven Torpedo tubes. Complement, 730.

VICTORIOUS. Twin Screw Battle Ship. 1st Class.

Length, 390 ft. Breadth, 75 ft. Draught, 27 ft. 6 in.

Displacement, 14,900 tons. Indicated H.P., 10,000 N.D. (about 12,000 F.D.) Speed, 18 knots.

Commenced May 28th. 1894. Where built, Chatham. Engines, John Penn. Launched, 1895.

Seven Decks, viz.: Platform, Lower, Middle, Upper, Boat and Shelter Decks.

Armour Deck, averaging 3 inches in thickness throughout the ship; protecting Machinery, Air Compressors, Steering Gear, Magazines and Shell Rooms.

There are 48 Watertight Compartments, all watertight; above the inner bottom she is again divided into 180 Watertight Spaces, and 190 Watertight doors. Armour plates are of Harveyed Steel, from 8 to 14 inches thick.

Armour, side 9 H.S. Barbette, 14 to 9 in. H.S. Battery, 14 to 8 in. H.S. Deck Plating, 4 to 2½ in. Casements, 6 in.

Armament, four 50-ton 12-in. guns, mounted in pairs or turntables, very strongly armoured. In addition, she will carry twelve 6-in. Q.F. in armour casements 6 inches thick.

Latest developments of the Elswick Company.

She also carries 38 smaller Q.F. guns, and five torpedo tubes for discharge of 18 in. Whitehead torpedoes. Four Military tops, two on each mast, fitted with three electric searchlights and eight 3-pounder Q.F. guns.

On Shelter Decks are the Conning Towers, the fore one being protected by 14 in. and the after by 3 in. armour. Coal capacity, 2,200 tons.

Complement, 757.



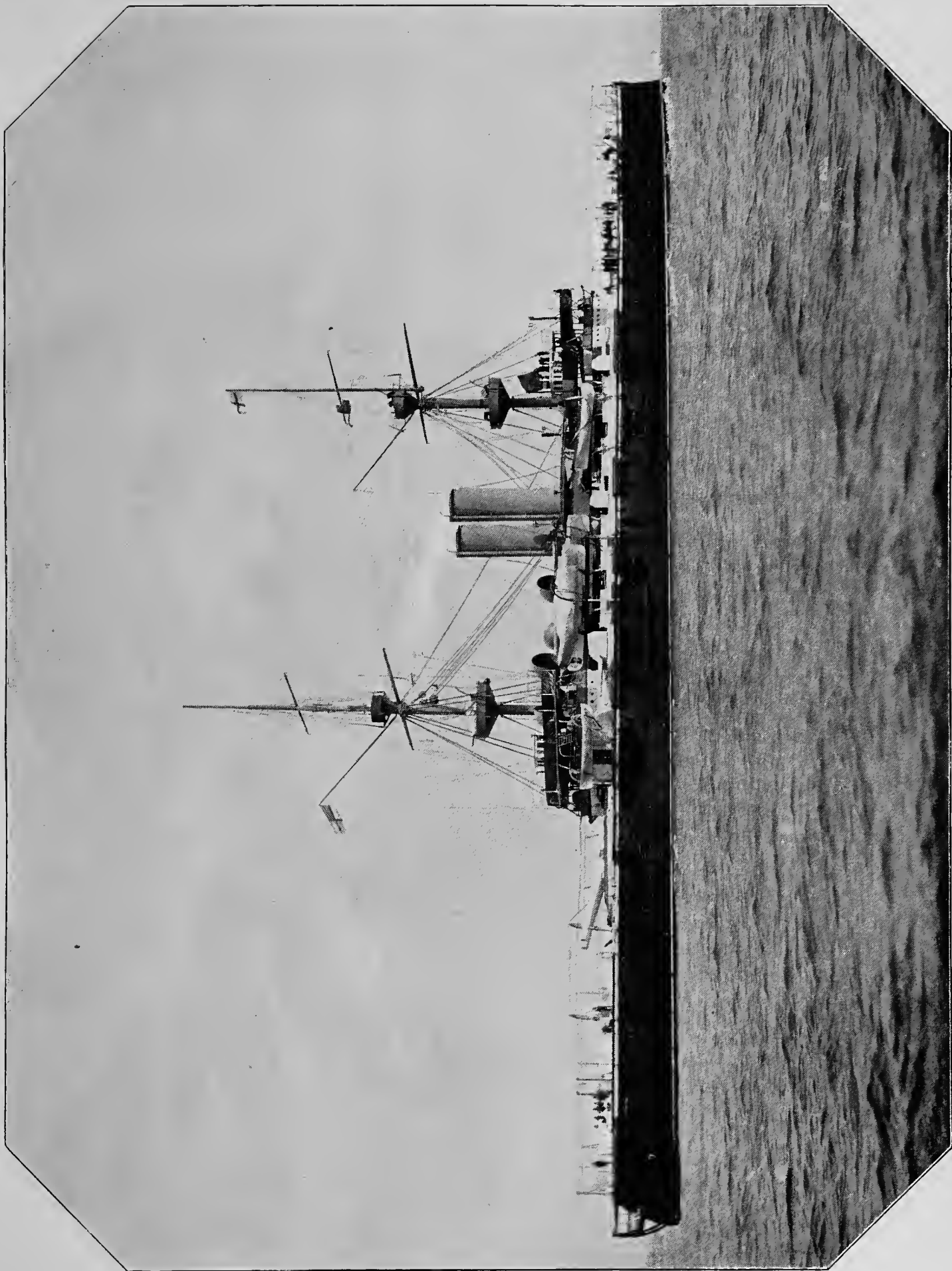


Photo by G. WEST & SON,
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H.M.S. "ROYAL SOVEREIGN."

TURRET SHIPS.**AGAMEMNON** (Iron). Twin Screws. 2nd Class.

Length, 280 ft. Breadth, 66 ft. Draught, 24 ft.

Displacement, 8,660 tons. Indicated H.P., 4,500. Coal, 960 tons. Endurance, 4,100 knots at 10 knots speed.

Where built, Chatham. Engines, Penn. Speed, 12 knots.

Completed, 1883. Cost, £504,000 (about).

Armament, four 38-ton M.L.R. Two 6-in. Six 6-pounders, Q.F. Eight 3-pounders, Q.F. Five Machine, two light.

Armour, side 18 and 15 in. Bulkheads, 16½ and 13½ in. Turret, 16 and 14 in. Backing, 18 to 9 in. Deck Plating, 3 in.

Torpedoes, two Launching Carriages. Complement, 410.

AJAX (Iron). Twin Screws. 2nd Class.

Length, 280 ft. Breadth, 66 ft. Draught, 24 ft.

Displacement, 8,660 tons. Indicated H.P., 4,500. Coal, 960 tons. Endurance, 4,100 knots at 10 knots speed.

Where built, Pembroke. Engines, Penn. Speed, 12 knots.

Completed, 1883. Cost, £518,360 (about).

Armament, four 38-ton M.L.R. Two 6-in. Six 6-pounders, Q.F. Eight 3-pounders, Q.F. Five Machine, two light.

Armour, side 18 and 15 in. Bulkheads, 16½ and 13½ in. Turret, 16 and 14 in. Backing 18 to 9 in. Deck Plating, 3 in.

Torpedoes, two Launching Carriages. Complement, 410.

COLOSSUS (Steel). Twin Screws. 2nd Class.

Length, 325 ft. Breadth, 68 ft. Draught, 26 ft. 3 in.

Displacement, 9,420 tons. Indicated H.P., 7,500. Coal, 960 tons. Endurance, 6,200 knots at 10 knots speed.

Where built, Portsmouth. Engines, Maudslay. Speed, 14 knots.

Completed, 1886. Cost, £646,800 (about).

Armament, four 45-ton. Five 6-in. Four 6-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, four light.

Armour, side 18 and 14 in. compound. Bulkheads, 16 and 13 in. compound. Turret, 16 and 14 in. compound. Backing, 22 to 10 in. Deck Plating, 3 to 2½ in.

Torpedoes, two Launching Carriages. Complement, 288.

DEVASTATION (Iron). Twin Screws. 2nd Class.

Length, 285 ft. Breadth, 62 ft. 3 in. Draught, 27 ft. 6 in.

Displacement, 9,330 tons. Indicated H.P., 7,000. Coal, 1,800 tons. Endurance, 5,980 knots at 10 knots speed.

Where built, Portsmouth. New Engines, Maudslay. Speed, 14 knots.

Completed, 1873. Cost, £354,000 (about).

Armament, four 29-ton. Six 6-pounders, Q.F. Eight 3-pounders, Q.F. Five Machine, two light.

Armour, Breastwork, 12 and 10 in. 12 and 10 in. 14 and 12 in. Backing, 18 to 19 in. Deck Plating, 3 to 2 in.

Torpedoes, two fixed tubes (submerged). Complement, 410.

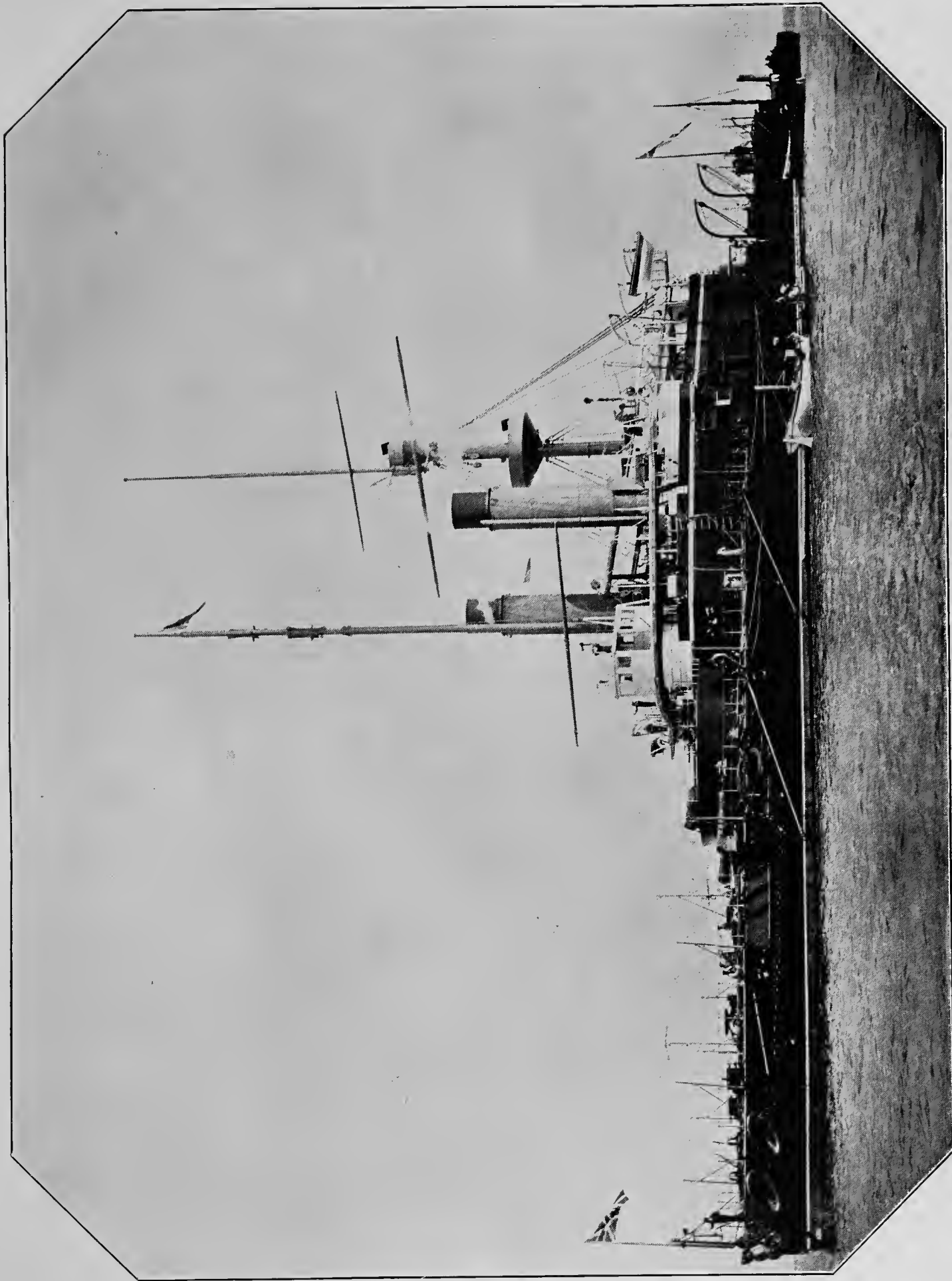


Photo by G. WEST & SON,
Southsea.

H.M.S. "NILE." (See p. 1st.)

TURRET SHIPS—*continued.***DREADNOUGHT** (Iron). Twin Screws. 2nd Class.

Length, 320 ft. Breadth, 63 ft. 10 in. Draught, 26 ft. 9 in.
 Displacement, 10,820 tons. Indicated H.P., 6,500. Coal, 1,220 tons. Endurance, 5,250 knots at 10 knots speed.
 Where built, Pembroke. Engines, Humphrys. Speed, 13½ knots.
 Completed, 1875. Cost, £592,600 (about).
 Armament, four 38-ton M.L.R. Six 6-pounders, Q.F. Twelve 3-pounders, Q.F. Seven Machine, two light.
 Armour, side 14, 12 and 11 in. Bulkhead, 13 in. Turret, 14 in. Backing, 18 to 15 in. Deck Plating, 3 and 2 in.
 Torpedoes, two Launching Carriages. Complement, 253.

EDINBURGH (Steel). Twin Screws. 2nd Class.

Length, 325 ft. Breadth, 68 ft. Draught, 26 ft. 3 in.
 Displacement, 9,420 tons. Indicated H.P., 5,500. Coal, 970 tons. Endurance, 6,200 knots at 10 knots speed.
 Where built, Pembroke. Engines, Humphrys. Speed, 14 knots.
 Completed, 1886. Cost, £642,300 (about).
 Armament, four 45-ton. Five 6-in. Four 6-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, two light.
 Armour, side 18 and 14 in. compound. Bulkheads, 16 and 13 in. compound. Turret, 16 and 14 in. compound. Backing 22 to 10 in. Deck Plating, 3 to 2½ in.
 Torpedoes, two Launching Carriages. Complement, 289.

HERO (Steel). Twin Screws. 3rd Class.

Length, 270 ft. Breadth, 58 ft. Draught, 24 ft.
 Displacement, 6,200 tons. Indicated H.P., 6,000. Coal, 620 tons. Endurance, 1,000 knots at 10 knots speed.
 Where built, Chatham. Engines, Rennie. Speed, 15 knots.
 Completed, 1888. Cost, £397,200 (about).
 Armament, two 45-ton. Four 6-in. Seven 6-pounders, Q.F. Five 3-pounders, Q.F. Six Machine, two light.
 Armour, side 12 in. compound. Bulkheads, 11½ in. compound. Turret, 12 in. compound. Backing, 13½ in. Deck Plating, 2½ to 1¾ in.
 Torpedoes, six Launching Carriages. Complement, 330.

HOOD (Steel). Twin Screws. 1st Class.

Length, 380 ft. Breadth, 75 ft. Draught, 27 ft. 6 in.
 Displacement, 14,150 tons. Indicated H.P., 13,000. Coal, 900 tons. Endurance, 5,300 knots at 10 knots speed.
 Where built, Chatham. Engines, Humphrys. Speed, 17½ knots.
 Completed, 1893. Cost, £830,540 (about).
 Armament, four 67-ton. Ten 6-in., Q.F. Ten 6-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.
 Armour, side 18 in. compound, 5 in. above the belt. Redoubts, compound, 17 in. Turrets, 18 in. compound. Deck Plating, 3 in.
 Torpedoes, seven fixed tubes or Launching Carriages (two submerged). Complement, 730.

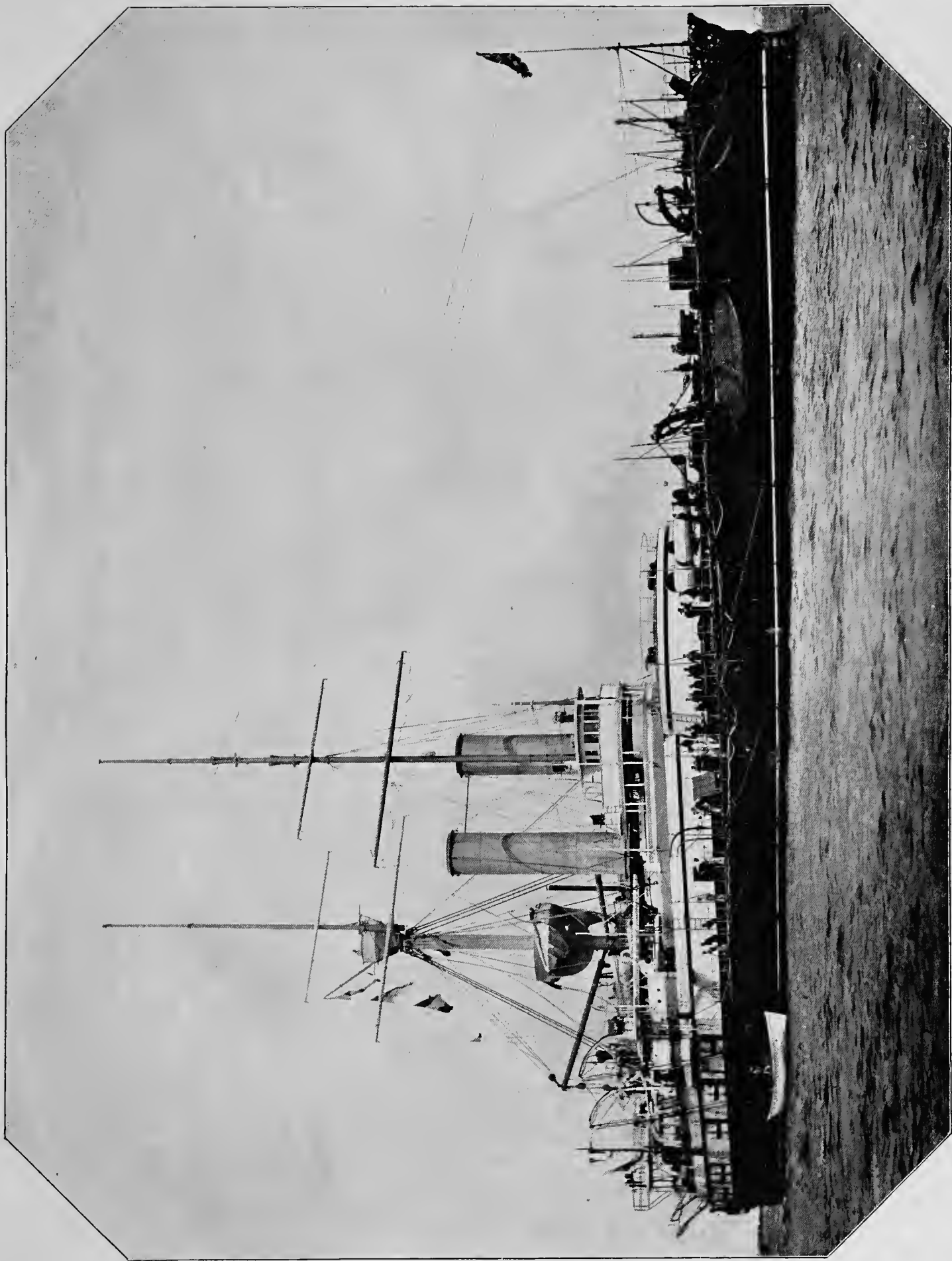


Photo by G. WEST & SON,
Southsea.

H.M.S. "SANS PAREIL." (See p. 20.)

TURRET SHIPS—*continued.***INFLEXIBLE** (Iron). Twin Screw. 2nd Class.

Length, 320 ft. Breadth, 75 ft. Draught, 26 ft. 4 in.
 Displacement, 11,880 tons. Indicated H.P., 6,500. Coal, 1,300 tons. Endurance, 5,200 knots at 10 knots speed.
 Where built, Portsmouth. Engines, Elder. Speed, 13 knots.
 Completed, 1881. Cost, £795,300 (about).
 Armament, four 80-ton M.L.R. Eight 4-in. Four 6-pounders, Q.F. Two 3-pounders, Q.F. Sixteen Machine, two light.
 Armour, sides 24, 20 and 16 in. Bulkheads, 22, 18 and 14 in. Turret, 17 and 16 in. compound. Backing, 17 to 25 in. Deck Plating, 3 in.
 Torpedoes, two fixed tubes (submerged). Two Launching Carriages. Complement, 485.

MONARCH (Iron). One Screw. 3rd Class.

Length, 330 ft. Breadth, 57 ft. 6 in. Draught, 26 ft. 7 in.
 Displacement, 8,320 tons. Indicated H.P., 8,220. Coal, 630 tons. Endurance, 1,500 knots at 10 knots speed.
 Where built, Chatham. New Engines, Maudslay. Speed, 14½ knots.
 Completed, 1869. Cost, £354,500 (about).
 Armament, four 25-ton M.L.R. Two 12-ton M.L.R. One 6½-ton M.L.R. Four 12-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, two light.
 Armour, sides 7 to 6 in. Bulkheads, 5 to 4½ in. Turret, 10 to 8 in. Backing, 12 in.
 Torpedoes, two fixed tubes. Complement, 598.

NEPTUNE (Iron, Copper Sheathed). One Screw. 2nd Class.

Length, 300 ft. Breadth, 63 ft. Draught, 26 ft. 1 in.
 Displacement, 9,310 tons. Indicated H.P., 6,000. Coal 670 tons. Endurance, 1,480 knots at 10 knots speed.
 Where built, Poplar. Engines, Penn. Speed, 13¼ knots.
 Completed, 1878. Cost, £600,000 (bought).
 Armament, four 38-ton M.L.R. Two 12-ton M.L.R. Six 6-pounders, Q.F. Eight 3-pounders, Q.F. Eleven Machine, two light.
 Armour, sides 12 to 9 in. Bulkheads, 8 and 6 in. Turret, 11 and 13 in. Backing, 11 to 13 in. Deck plating, 3 to 2 in.
 Torpedoes, two Launching Carriages. Complement, 412.

NILE (Steel). Twin Screw.

Length, 345 ft. Breadth, 73 ft. Draught, 27 ft. forward, 28 ft. aft.
 Displacement, 11,940 tons—when fully equipped and ready for sea.
 Launched, March 27th, 1888, at Pembroke. Completed, 1890.
 Engines by Maudslay. Cost, £819,717 (about).
 Laid down, April 8th, 1886.
 Indicated H.P., over 12,000 F.D. Speed, 16½ knots. Coal, 900 to 1,200 tons. Endurance 6,500 knots at 10 knots. Complement, 558.
 Belt, 230 ft., and breadth, 8 ft. 6 in., and forms with the boundary bulkheads the lower citadel; the side is thus protected 5 ft. 6 in. below water, and 3 ft. above water; the plating varies from 20 to 14 in., tapering at the lower edge from 8 to 6 in., while the bulkheads are armoured by 16 and 14 in. plating forward and aft respectively, tapering downwards to 7 in. It will be seen that each of the ends are denuded of vertical armour for the space of 58 ft. (fifty-eight feet); they are, however, protected by a 3 in. (three inch) sloping steel deck in continuation of the belt. Above the lower or belt citadel is the citadel proper, 141 ft. long, at the sides of the ship, but having an extreme length from the centres of the curved bulkheads of 193 ft.
 The plating varies from 18 to 16 in., the thickness of bulkheads to protect bases of turrets being reduced to 8 in. Main deck between the ends of citadel and end of armed belt is covered with two thicknesses of steel plating. These figures will give an idea of the defensive capacity of the ship—in reality the protection is of still greater solidity owing to backing, &c.
 Both Turrets and Guns are worked by hydraulic power. Turrets are built at each end of citadel, and armoured to the thickness of 18 in., and will mount together four 67-pounder breechloaders. Upon the citadel is a box battery, pierced for six 4.7-in. 45-pounder Q.F. Guns. The ship has also seventeen 6-pounders and 3-pounders, Q.F. Guns, four M. Guns, and eight Tubes for discharging Torpedoes. Magazine and Shell Rooms are located in lower part of watertight tunnel.

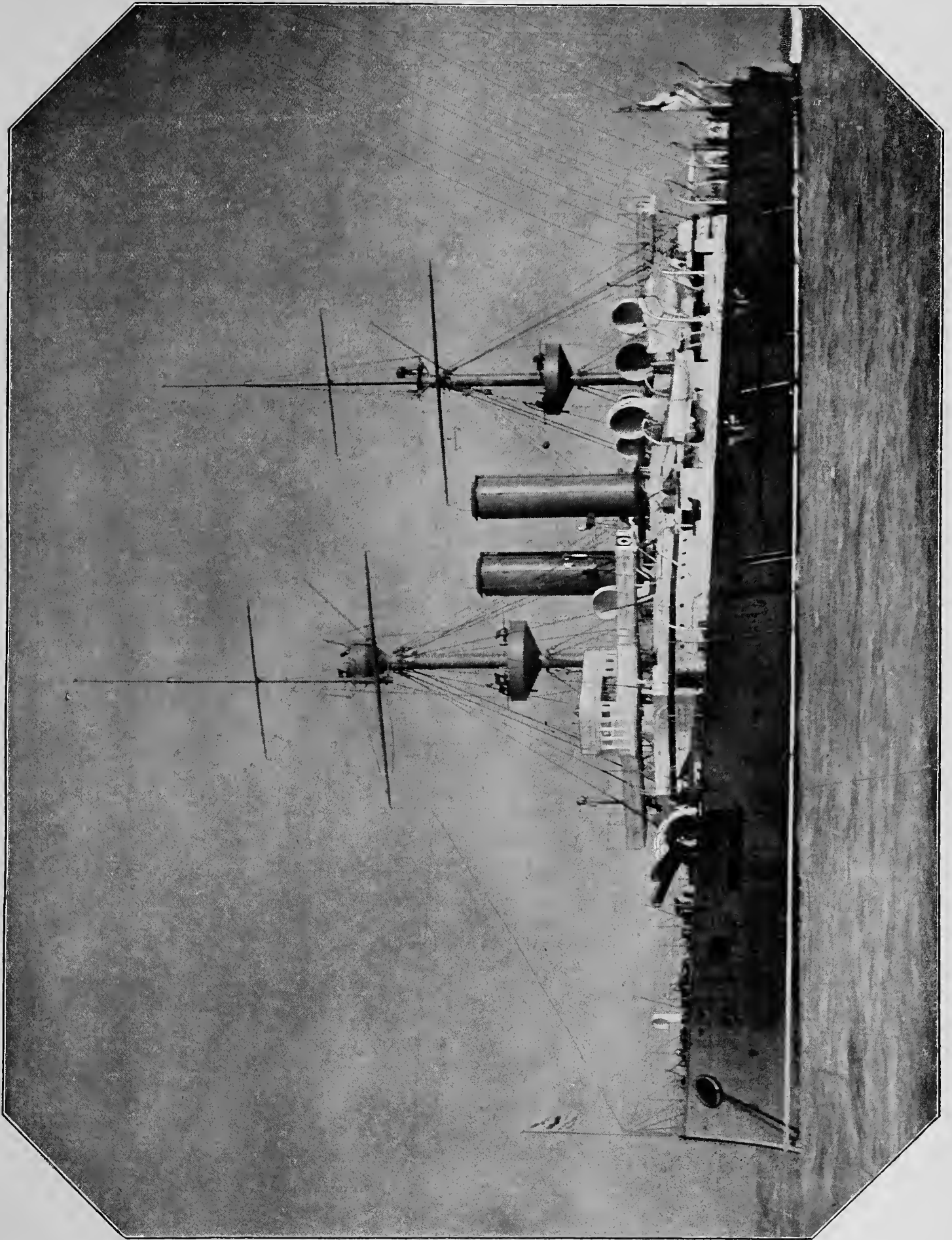


Photo by G. WEST & SON
Southsea.

H.M.S. "RESOLUTION." (See P. 8.)

TURRET SHIPS—*continued.***SANS PAREIL** (Steel). Twin Screw. 1st Class.

Length, 340 ft. Breadth, 70 ft. Draught, 27 ft. 3 in.

Displacement, 10,470 tons. Indicated H.P., 14,000. Coal, 1,200 tons. Endurance, 7,000 knots at 10 knots speed.

Where built, Blackwall. Engines, Humphrys. Speed, 17 knots.

Completed, 1889. Cost, £719,500 (about).

Armament, two 111-ton. One 29-ton. Twelve 6-in. 5-ton. Twelve 6-pounders, Q.F. Twelve 3-pounders, Q.F. Eight Machine, two light.

Armour, sides 16 to 18 in. compound. Bulkheads, 16 in. compound. Turret, 18 in. compound. Backing, 6 in. Deck Plating, 3 in.

Torpedoes, six fixed tubes, two Launching Carriages (two submerged). Complement, 583.

THUNDERER (Iron). Twin Screw. 2nd Class.

Length, 285 ft. Breadth, 62 ft. 3 in. Draught, 27 ft.

Displacement, 9,330 tons. Indicated H.P., 7,000. Coal, 1,600 tons. Endurance, 3,040 knots at 10 knots speed.

Where built, Pembroke. Engines, Maudslay. Speed, 14 knots.

Completed, 1877. Cost, £358,500 (about).

Armament, four 10-in. 29-ton. Six 6-pounders, Q.F. Eight 3-pounders, Q.F. Four Machine, two light.

Armour, sides 12 and 10 in. Breastwork, 12 and 10 in. Turret, 14 and 12 in. Backing, 18 to 16 in. Deck Plating, 3 and 2 in.

Torpedoes, two fixed tubes. Complement, 410.

TRAFALGAR (Steel). Twin Screws. 1st Class.

Length, 345 ft. Breadth, 73 ft. Draught, 27 ft. 6 in.

Displacement, 11,940 tons. Indicated H.P., 12,000. Coal, 1,200 tons. Endurance, 6,500 knots at 10 knots speed.

Where built, Portsmouth. Engines, Humphrys. Speed, 16 $\frac{3}{4}$ knots.

Completed, 1890. Cost, £862,800 (about).

Armament, four 67-ton. Six 47-in., Q.F. Eight 6-pounders, Q.F. Twelve 3-pounders, Q.F. Six Machine, three light.

Armour, sides 20 to 16 in. compound. Bulkheads, 18 to 14 in. compound. Turret, 18 in. compound. Backing, 6 in. Deck Plating, 3 in.

Torpedoes, four fixed tubes (two submerged), two Launching Carriages. Complement, 572.

TURRET RAM.

CONQUEROR (Steel). Twin Screws. 3rd Class.

Length, 270 ft. Breadth, 58 ft. Draught, 24 ft.

Displacement, 6,200 tons. Indicated H.P., 6,000. Coal, 650 tons. Endurance, 5,200 knots at 10 knots speed.

Where built, Chatham. Engines, Humphrys. Speed, 15 $\frac{1}{4}$ knots.

Completed, 1882. Cost, £418,500 (about).

Armament, two 45-ton. Four 6-in. Six 6-pounders, Q.F. 12 Machine, two light.

Armour, side 12 to 8 $\frac{1}{2}$ in. Bulkheads, 11 $\frac{1}{2}$ to 10 $\frac{1}{2}$ in. Turret, 12 in., and C.T. Backing, 13 $\frac{1}{2}$ to 9 in. Deck Plating, 2 $\frac{1}{2}$ to 1 $\frac{3}{4}$ in.

Torpedoes, six Launching Carriages. Complement, 330.

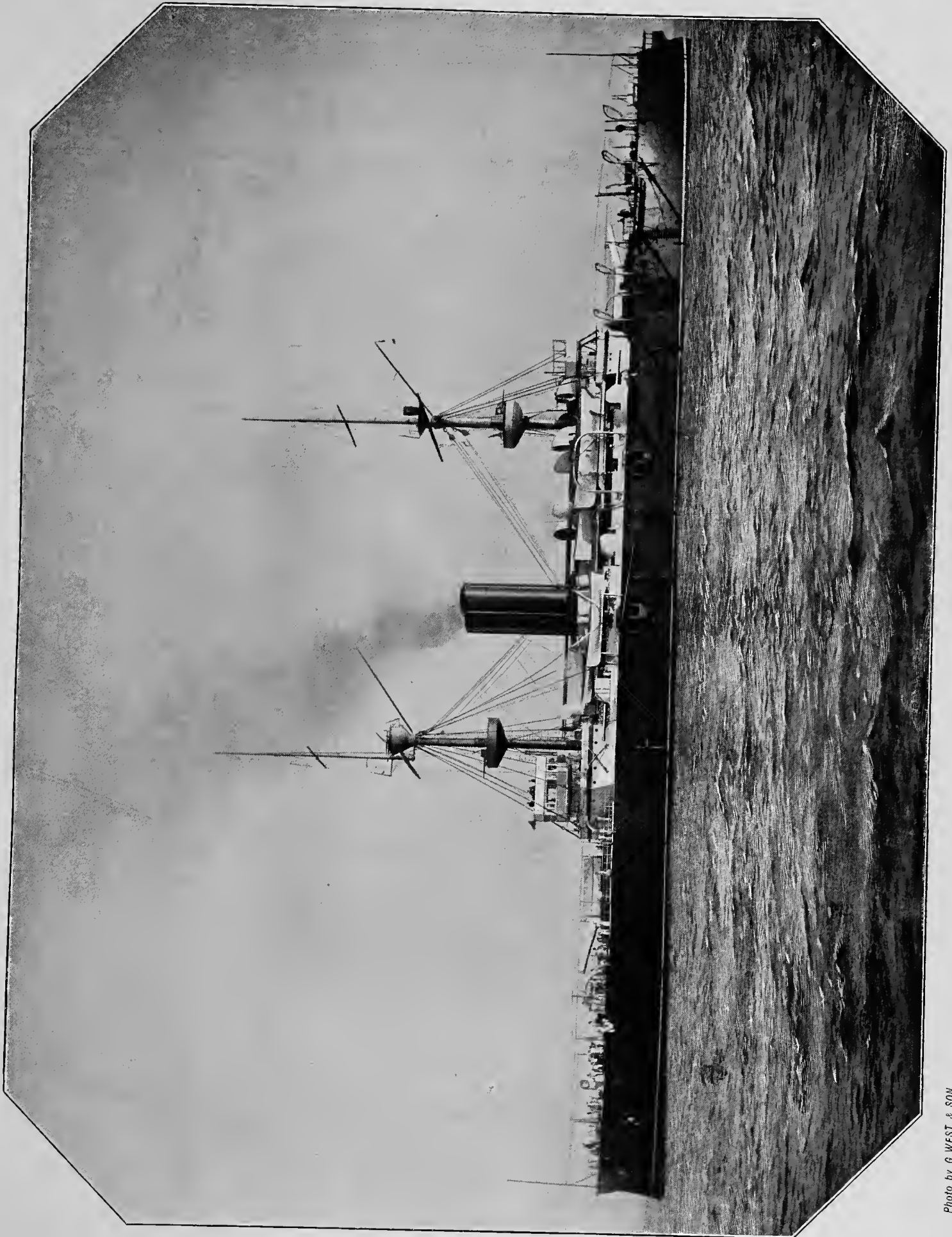


Photo by G. WEST & SON,
Southsea.

H.M.S. "ROYAL OAK." (See p. 10.)

TURRET SHIPS—*continued.*

HOME.

CYCLOPS (Iron). Twin Screws.

Length, 225 ft. Breadth, 45 ft. Draught, 16 ft. 4 in.

Displacement, 3,560 tons. Indicated H.P., 1,200. Coal, 250 tons. Endurance, 1,930 knots at 10 knots speed.

Where built, Blackwall. Engines, Elder. Speed, 10 knots.

Completed, 1871. Cost, £154,000 (about).

Armament, four 18-ton, M.L.R. Four 3-pounders, Q.F. Five Machine, one light.

Armour, side 8 and 6 in. 9 and 8 in. on Breastwork. Turret, 9 and 10 in. Backing, 9 in. and 11 in. Deck Plating, 1½ in.

Complement, 196.

GLATTON (Iron). Twin Screws.

Length, 245 ft. Breadth, 54 ft. Draught, 19 ft. 5 in.

Displacement, 4,910 tons. Indicated H.P., 2,000. Coal, 540 tons. Endurance, 2,000 knots at 10 knots speed.

Where built, Chatham. Maker of Engines, Laird. Speed, 11 knots.

Completed, 1872. Cost, £219,500 (about).

Armament, two 25-ton M.L.R. Three 6-pounders, Q.F. Four Machine, one light.

Armour, side 12 to 10 in. 12 in. Breastwork. Turret, 14 and 12 in. Backing, 20 to 15 in. Deck Plating, 3 in. and 1½ in.

Torpedoes, two submerged fixed tubes. Complement, 192.

GORGON (Iron). Twin Screws.

Length, 225 ft. Breadth, 45 ft. Draught, 16 ft. 4 in.

Displacement, 3,560 tons. Indicated H.P., 1,200. Coal, 270 tons. Endurance, 1,250 knots at 10 knots speed.

Where built, Jarrow. Maker of Engines, Ravenhill. Speed, 10 knots.

Completed, 1872. Cost, £138,500 (about).

Armament, four 18-ton M.L.R. Four 3-pounders, Q.F. Five Machine, two light.

Armour, side 8 and 6 in. Breastwork, 9 and 8 in. Turret, 9 and 10 in. Backing, 11 to 9 in. Deck Plating, 1½ in.

Complement, 196.

HECATE (Iron). Twin Screws.

Length, 225 ft. Breadth, 45 ft. Draught, 16 ft. 4 in.

Displacement, 3,560 tons. Indicated H.P., 1,200. Coal, 270 tons. Endurance, 1,250 knots at 10 knots speed.

Where built, Poplar. Engines, Ravenhill. Speed, 10 knots.

Completed, 1872. Cost, £140,500 (about).

Armament, four 18-ton M.L.R. Four 3-pounders, Q.F. Four Machine, one light.

Armour, side 8 and 6 in. Breastwork, 9 and 8 in. Turret, 9 and 10 in. Backing, 11 to 9 in. Deck Plating, 1½ in.

Complement, 205.

HOTSPUR (Iron). Twin Screws.

Length, 235 ft. Breadth, 50 ft. Draught, 21 ft. 10 in.

Displacement, 4,010 tons. Indicated H.P., 2,500. Coal, 300 tons. Endurance, 920 knots at 10 knots speed.

Where built, Glasgow. Engines, Napier. Speed, 11¼ knots.

Completed, 1871. Cost, £171,500 (about).

Armament, two 25-ton M.L.R. Two 6-in. 5-ton. Four 6-pounders, Q.F. Ten Machine, two light.

Armour, side 11 and 8 in. Breastwork, 8 in. Turret, 10 and 8½ in. Backing, 15 to 10 in. Deck Plating, 2 and 1 in.

Torpedoes, two Launching Carriages. Complement, 232.

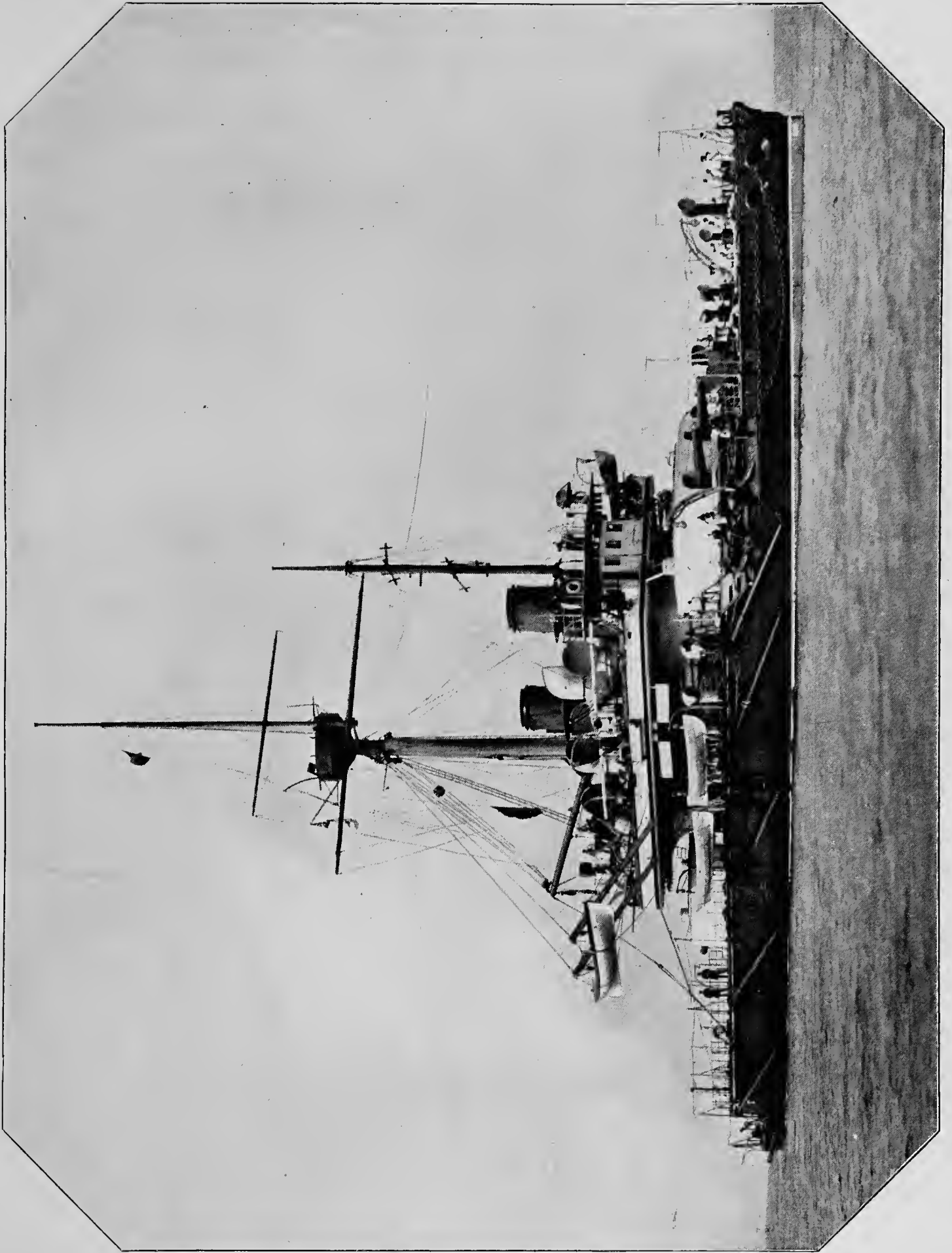


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H.M.S. "THUNDERER." (See p. 20.)

TURRET SHIPS—*continued.***HYDRA** (Iron). Twin Screw.

Length, 225 ft. Breadth, 45 ft. Draught, 16 ft. 4 in.

Displacement, 3,560 tons. Indicated H.P., 1,200. Coal, 250 tons. Endurance, 1,920 knots at 10 knots speed.

Where built, Glasgow. Engines, Elder. Speed, about 10 knots.

Completed, 1872. Cost, £141,500 (about).

Armament, four 18-ton M.L.R. Four 3-pounders, Q.F. Five Machine, two light.

Armour, side 8 and 6 in. Breastwork, 9 and 8 in. Turret, 9 and 10 in. Backing, 11 to 9 in. Deck Plating, 1½ in.

Complement, 196.

PRINCE ALBERT (Iron). One Screw.

Length, 240 ft. Breadth, 48 ft. 1 in. Draught, 20 ft. 4 in.

Displacement, 3,880 tons. Indicated H.P., 1,300. Coal, 230 tons. Endurance, 950 knots at 10 knots speed.

Where built, Poplar. Engines, Humphrys. Speed, 9¾ knots.

Completed, 1866. Cost, £202,700 (about).

Armament, four 12-ton M.L.R. Six Machine, two light.

Armour, sides, 4½ in. Turrets, 10 and 5½ in. Backing, 18 in. Deck Plating, ¾ in.

Complement, 205.

RUPERT (Iron). Twin Screws.

Length, 250 ft. Breadth, 53 ft. Draught, 23 ft. 7 in.

Displacement, 5,440 tons. Indicated H.P., 6,000. Coal, 485 tons. Endurance, 1,350 knots at 10 knots speed.

Where built, Chatham. Engines, Portsmouth. Speed, 14 knots.

Completed, 1874. Cost, £232,700 (about).

Armament, two 22-ton. Two 6-in. Four 6-pounders, Q.F. Six 3-pounders, Q.F. Two Machine, two light.

Armour, side 11 and 9 in. Breastwork, 12 in. Turret, 14 and 12 in. Backing, 14 and 10 in. Deck Plating, 3 and 2 in.

Torpedoes, four Launching Carriages. Complement, 293.

SCORPION (Iron). One Screw.

Length, 224 ft. 6 in. Breadth, 42 ft. 4½ in. Draught, 16 ft. 11 in.

Displacement, 2,750 tons. Indicated H.P., 1,000. Coal, 320 tons. Endurance, 1,200 knots at 10 knots speed.

Where built, Birkenhead. Engines, Laird. Speed, 8½ knots.

Completed, 1865. Cost, £110,600 (about).

Armament, four 12-ton M.L.R. Six Machine, one light.

Armour, side 4½ in. Turret, 5 in. Backing, 10 to 8 in.

Complement, 151.

WIVERN (Iron). One Screw.

Length, 224 ft. 6 in. Breadth, 42 ft. 4½ in. Draught, 16 ft. 11½ in.

Displacement, 2,750 tons. Indicated H.P., 1,000. Coal, 300 tons. Endurance, 1,140 knots at 10 knots speed.

Where built, Birkenhead. Engines, Laird. Speed, 8½ knots.

Completed, 1865. Cost, £116,500 (about).

Armament, four 12-ton M.L.R. Eight Machine, one light.

Armour, side 4½ in. Turret, 5 in. Backing 10 to 8 in.

Complement, 151.



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H.M.S. "COLOSSUS." (See p. 14.)

TURRET SHIPS—*continued.*

INDIA.

INDIAN MARINE.

ABYSSINIA (Iron). Twin Screw.

Length, 225 ft. Breadth, 42 ft. Draught, 14 ft. 6 in.

Displacement, 2,900 tons. Indicated H.P., 950. Coal 95 tons. Endurance, 850 knots at 10 knots speed.

Where built, Poplar. Engines, Dudgeon. Speed, 9 knots.

Completed, 1870. Cost, £116,500 (about).

Armament, four 8-in. 14-ton. Seven Machine, two light.

Armour, side 7 and 6 in. Breastwork, 8 and 7 in. Turret, 10 and 8 in. Backing, 11 to 9 in. Deck Plating, 1½ and 1 in.

Complement, 193.

MAGDALA (Iron). Twin Screw.

Length, 225 ft. Breadth, 45 ft. Draught, 15 ft. 3 in.

Displacement, 3,340 tons. Indicated H.P., 1,440. Coal, 120 tons. Endurance, 1,000 knots at 10 knots speed.

Where built, Blackwall. Engines, Ravenhill. Speed, 10 knots.

Completed, 1870. Cost, £132,500 (about).

Armament, four 8-in. 14-ton. Seven Machine, two light.

Armour, side 8 to 6 in. Breastwork, 9 to 8 in. Turrets, 10 and 9 in. Backing, 11 and 9 in. Deck Plating, 1½ and 1 in.

Complement, 194.

AUSTRALIA.

COLONIAL MARINE.

CERBERUS (Iron). Twin Screws.

Length, 225 ft. Breadth, 45 ft. Draught, 15 ft. 3 in.

Displacement, 3,480 tons. Indicated H.P., 1,660. Coal, 120 tons. Endurance, 1,000 knots at 10 knots speed.

Where built, Jarrow. Engines, Maudslay. Speed, 9¾ knots.

Completed, 1870. Cost, £127,500 (about).

Armament, four 10-in. 18-ton, M.L.R. Four Machine.

Armour, side 8 to 6 in. Breastwork, 9 to 8 in. Turret, 10 and 9 in. Backing, 11 to 9 in. Deck Plating, 1½ and 1 in.

Complement, 194.



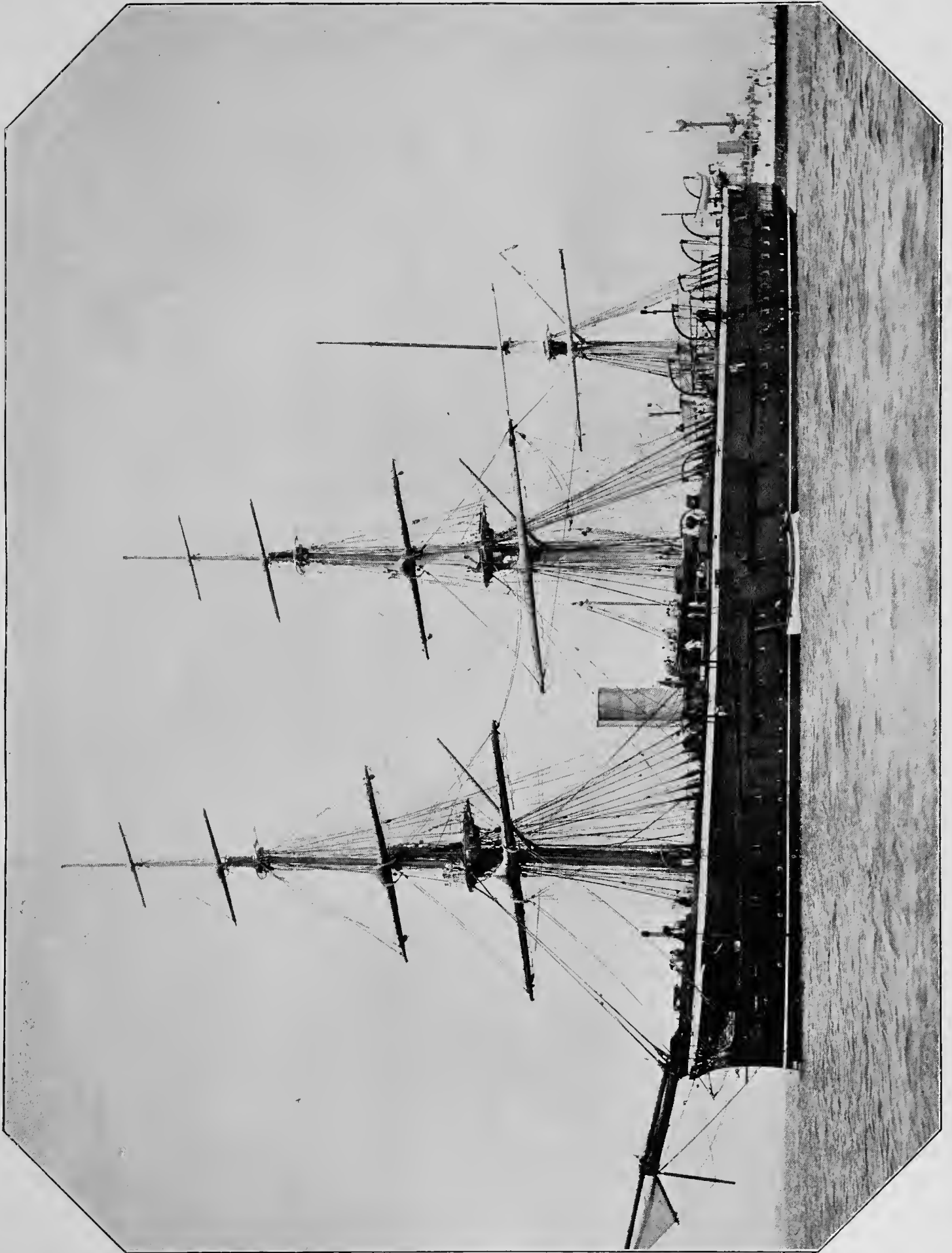


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H.M.S. "IRON DUKE." (See p. 28.)

CENTRAL BATTERY.**ALEXANDRA** (Iron). Twin Screws. 2nd Class.

Length, 325 ft. Breadth, 63 ft. 8 in. Draught, 26 ft. 6 in.
 Displacement, 9,490 tons. Indicated H.P., 7,000. Coal, 680 tons. Endurance, 2,700 knots at 10 knots speed.
 Where built, Chatham. Cost, £514,300 (about). Speed, $14\frac{1}{4}$ knots.
 Maker of Engines, Humphrys. Ship completed, 1877.
 Armament, eight 18-ton M.L.R. Four 22-ton. Six 4-in. Four 6-pounders, Q.F. Six 3-pounders, Q.F. Thirteen Machine, three light.
 Armour, side 12 to 6 in. Bulkheads, 8 to 5 in. Backing, 12 and 10 in. Deck Plating, $1\frac{1}{2}$ and 1 in.
 Torpedoes, four Launching Carriages. Complement, 408.

AUDACIOUS (Iron, Zinc Sheathed). Twin Screws. 3rd Class.

Length, 280 ft. Breadth, 54 ft. Draught, 23 ft. 8 in.
 Displacement, 6,010 tons. Indicated H.P., 3,300. Coal, 500 tons. Endurance, 1,250 knots at 10 knots speed.
 Where built, Glasgow. Cost, £246,500 (about). Speed, $11\frac{1}{2}$ knots.
 Maker of Engines, Ravenhill. Ship completed, 1869.
 Armament, ten 12-ton, M.L.R. Eight 4-in. Four 6-pounders, Q.F. Six 3-pounders, Q.F. Six Machine, three light.
 Armour, side 8 and 6 in. Bulkheads, 5 in. Backing, 10 in.
 Torpedoes, four Launching Carriages. Complement, 492.

BELLEROPHON (Iron). One Screw. 3rd Class.

Length, 300 ft. Breadth, 56 ft. 1 in. Draught, 26 ft. 7 in.
 Displacement, 7,550 tons. Indicated H.P., 4,000. Coal, 650 tons. Endurance, 1,620 knots at 10 knots speed.
 Where built, Chatham. Cost, £322,500 (about). Speed, $12\frac{1}{2}$ knots.
 Maker of Engines, Penn. Ship completed, 1866.
 Armament, ten 8-in. Four 6-in. Six 4-in. Four 6-pounders, Q.F. Twelve Machine, four light.
 Armour, side 6 in. Bulkheads, 5 in. Pilot Tower, 8 in. Backing, 10 in.
 Torpedoes, two Launching Carriages. Complement, 572.

HERCULES (Iron). One Screw. 3rd Class.

Length, 325 ft. Breadth, $59\frac{1}{2}$ ft. Draught, 26 ft. 6 in.
 Displacement, 8,680 tons. Indicated H.P., 8,500. Coal, 610 tons. Endurance, 1,760 knots at 10 knots speed.
 Where built, Chatham. Cost, £361,150 (about). Speed, $14\frac{1}{2}$ knots.
 Maker of Engines, Penn. Ship completed, 1868.
 Armament, eight 18-ton, M.L.R. Two $12\frac{1}{2}$ -ton, M.L.R. Four $6\frac{1}{2}$ -ton, M.L.R. Six 4.7 in., Q.F. Nine 6-pounders, Q.F. Thirteen 3-pounders, Q.F. Seven Machine, two light.
 Armour, sides 9 to 6 in. Bulkheads, 6 and 5 in. Backing, 12 and 10 in.
 Torpedoes, four fixed tubes. Complement, 408.

IRON DUKE (Iron). Twin Screws. 3rd Class.

Length, 280 ft. Breadth, 54 ft. Draught, 23 ft. 3 in.
 Displacement, 6,010 tons. Indicated H.P., 3,500. Coal, 700 tons. Endurance, 3,900 knots at 10 knots speed.
 Where built, Pembroke. Cost, £196,500 (about). Speed, $12\frac{1}{4}$ knots.
 Maker of Engines, Ravenhill. When completed, 1871.
 Armament, ten 12-ton M.L.R. Four 5-in. Four 20-pounders. Four 6-pounders, Q.F. Fourteen Machine, four light.
 Armour, sides 8 to 6 in. Bulkheads, 5 in. Backing, 10 in.
 Torpedoes, four Launching Carriages. Complement, 492.



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H.M.S. "DREADNOUGHT," (See p. 16.)

CENTRAL BATTERY—*continued.***INVINCIBLE** (Iron). Twin Screws. 3rd Class.

Length, 280 ft. Breadth, 54 ft. Draught, 23 ft. 2 in.

Displacement, 6,010 tons. Indicated H.P., 3,500. Coal, 500 tons. Endurance, 1,580 knots at 10 knots speed.

Where built, Glasgow. Cost, £239,500 (about). Speed, 12½ knots.

Maker of Engines, Napier. Ship completed, 1870.

Armament, ten 12-ton, M.L.R. Six 4-in. Four 6-pounders, Q.F. Fifteen Machine, four light.

Armour, side 8 to 6 in. Bulkheads, 5 in. Backing, 10 in.

Torpedoes, four Launching Carriages. Complement, 492.

SULTAN (Iron). One Screw. 3rd Class.

Length, 325 ft. Breadth, 59 ft. ½ in. Draught, 27 ft. 6 in.

Displacement, 9,290 tons. Indicated H.P., 8,000. Coal, 810 tons. Endurance, 2,150 knots at 10 knots speed.

Where built, Chatham. Cost, £357,500 (about). Speed, 14 knots.

Maker of Engines, Thompson (re-Engine). Ship completed, 1871.

Armament, eight 18-ton, M.L.R. Four 12½-ton, M.L.R. Four 4·7 in., Q.F. Nine 6-pounders, Q.F. Thirteen 3-pounders, Q.F. Seven Machine, two light.

Armour, sides 9, 8 and 6 in. Battery, 6 to 4½ in. Backing, 12 and 10 in.

Torpedoes, four fixed tubes. Complement, 661.

SUPERB (Iron). One Screw. 2nd Class.

Length, 332 ft. 3 in. Breadth, 59 ft. Draught, 26 ft. 5 in.

Displacement, 9,170 tons. Indicated H.P., 9,000. Coal, 970 tons. Endurance, 1,820 knots at 10 knots speed.

Where built, Blackwall. Cost, £443,000 (bought). Speed, 15 knots.

Maker of Engines, Maudslay. Ship completed, 1880.

Armament, sixteen 18-ton, M.L.R. Six 4-in. Six 6-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, three light.

Armour, side 10 and 12 in. Bulkheads, 7, 10, 7, 5 in. Conning Tower, 6 to 8 in. Backing, 7 to 12 in. Deck Plating, 1½ in.

Torpedoes, four Launching Carriages. Complement, 654.

SWIFTSURE (Iron, Copper Sheathed). One Screw. 3rd Class.

Length, 280 ft. Breadth, 55 ft. Draught, 26 ft.

Displacement, 6,910 tons. Indicated H.P., 3,500. Coal, 540 tons. Endurance, 1,630 knots at 10 knots speed.

Where built, Jarrow. Cost, £257,000 (about). Speed, 12½ knots.

Maker of Engines, Maudslay. Ship completed, 1872.

Armament, ten 12-ton, M.L.R. Eight 4-in. Four 6-pounders, Q.F. Four 3-pounders, Q.F. Twelve Machine, three light.

Armour, side 8 to 6 in. Bulkheads, 6, 5 and 4 in. Backing, 10 in.

Torpedoes, four Launching Carriages. Complement, 497.

TRIUMPH (Iron, Copper Sheathed). One Screw. 3rd Class.

Length, 280 ft. Breadth, 55 ft. Draught, 26 ft. 2 in.

Displacement, 6,640 tons. Indicated H.P., 3,500. Coal, 550 tons. Endurance, 1,680 knots at 10 knots speed.

Where built, Jarrow. Cost, £258,350 (about). Speed, 12½ knots.

Maker of Engines, Maudslay. Ship completed, 1873.

Armament, ten 12-ton M.L.R. Four 5-in. Eight 6-pounders, Q.F. Eight 3-pounders, Q.F. Five Machine, three light.

Armour, side 8 and 6 in. Bulkheads, 6, 5 and 4 in. Backing, 10 in.

Torpedoes, four Launching Carriages. Complement, 497.

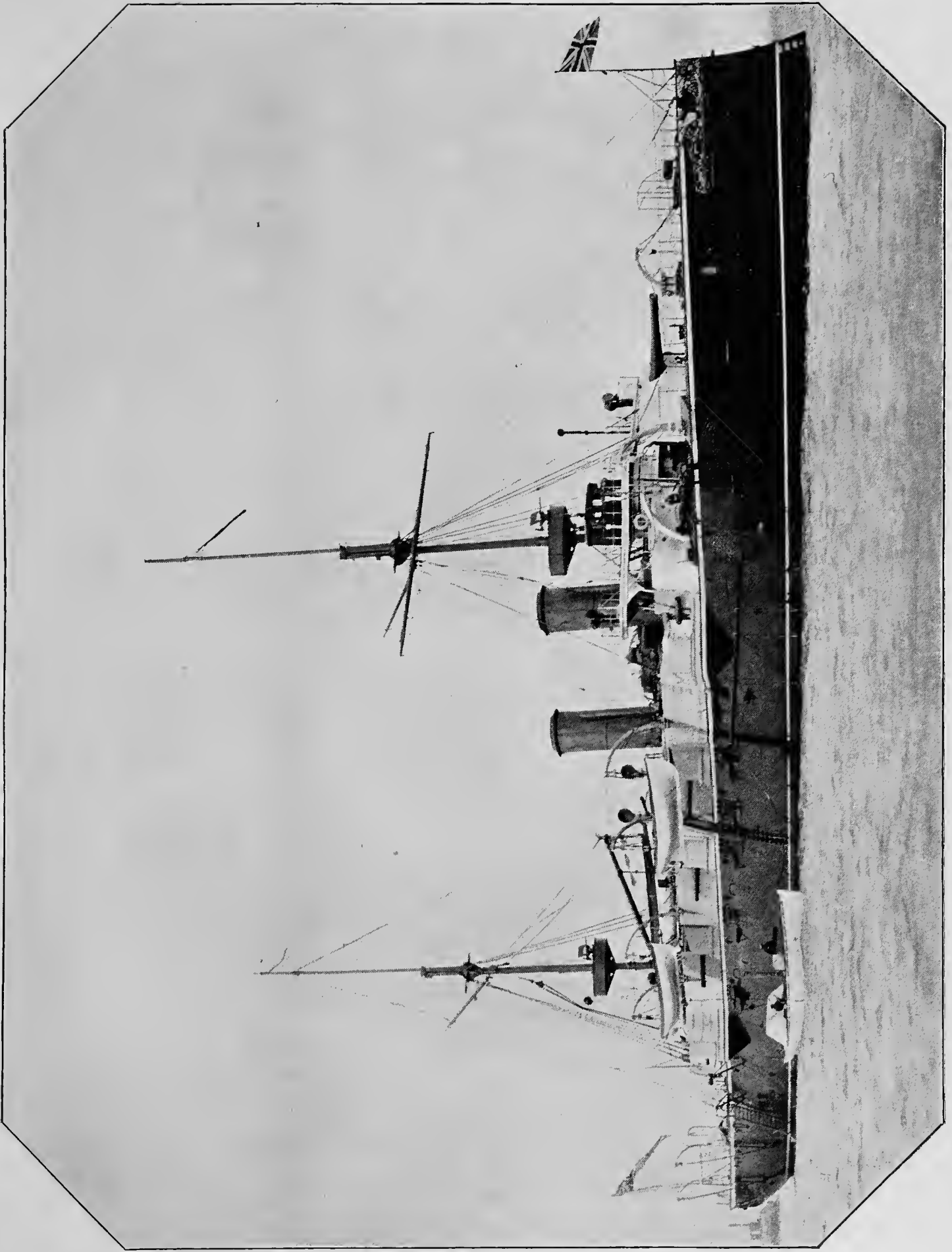


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H.M.S. "AUSTRALIA." (See p. 34.)

CENTRAL BATTERY—*continued.***TEMERAIRE** (Iron, Zinc Sheathed). Twin Screw. 2nd Class. Central Battery and Barbette.

Length, 285 ft. Breadth, 62 ft. Draught, 27 ft. 2 in.

Displacement, 8,540 tons. Indicated H.P., 6,500. Coal, 620 tons. Endurance, 2,680 knots at 10 knots speed.

Where built, Chatham. Cost, £455,000 (about). Speed, 13 $\frac{3}{4}$ knots.

Maker of Engines, Humphrys. Ship completed, 1887.

Armament, four 25-ton, M.L.R. Four 18-ton, M.L.R. Six 4-in. Four 6-pounders, Q.F. Ten 3-pounders, Q.F. Eight Machine, four light.

Armour, side 11, 10, 9 and 8 in. Bulkheads, 8 and 5 in. Barbette 10 in. fore, 8 in. after.

Backing, 12 and 10 in. Deck Plating, 1 $\frac{1}{2}$ and 1 in.

Torpedoes, two Launching Carriages. Complement, 592.

COAST DEFENCE, CENTRAL BATTERY.**BELLEISLE** (Iron). Twin Screws.

Length, 245 ft. Breadth, 52 ft. Draught, 21 ft.

Displacement, 4,870 tons. Indicated H.P., 2,600. Coal, 520 tons. Endurance, 1,830 knots at 10 knots speed.

Where built, Poplar. Engines, Maudslay. Speed, about 11 $\frac{1}{2}$ knots.

Completed, 1878. Cost, £240,000 (bought).

Armament, four 25-ton M.L.R. Six 6-pounders, Q.F. Nine Machine, two light.

Armour, side 12, 10, 8 and 6 in. Breastwork, 9, 6 and 5 in. Conning Tower, 9 in. Backing, 16 and 9 in. Deck Plating, 3 and 1 in.

Torpedoes, two Launching Carriages. Complement, 284.

ORION (Iron). Twin Screws. 2nd Class.

Length, 245 ft. Breadth, 52 ft. Draught, 21 ft. 4 in.

Displacement, 4,870 tons. Indicated H.P., 2,600. Coal, 525 tons. Endurance, 1,830 knots at 10 knots speed.

Where built, Poplar. Engines, Maudslay. Speed, about 11 $\frac{1}{2}$ knots.

Completed, 1882. Cost, £292,200 (about).

Armament, four 25-ton M.L.R. Six 6-pounders, Q.F. Eight Machine, two light.

Armour, side 12, 10, 8 and 7 in. Breastwork 9, 6 and 5 in. Conning Tower, 9 in. Backing, 16 and 9 in. Deck Plating, 3 and 1 in.

Torpedoes, four Launching Carriages. Complement, 284.

PENELOPE (Iron). Twin Screws.

Length, 260 ft. Breadth, 50 ft. Draught, 17 ft. 6 in.

Displacement, 4,470 tons. Indicated H.P., 2,700. Coal, 470 tons. Endurance, 1,360 knots at 10 knots speed.

Where built, Pembroke. Engines, Maudslay. Speed, 11 knots.

Completed, 1868. Cost, £186,800 (about).

Armament, eight 9-ton M.L.R. Four 3-pounders, Q.F. Eleven Machine, four light.

Armour, side 6 and 5 in. Breastwork, 4 $\frac{1}{2}$ in. Backing, 10 and 11 in.

Complement, 265.



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H.M.S. "GALATEA." (See p. 36.)

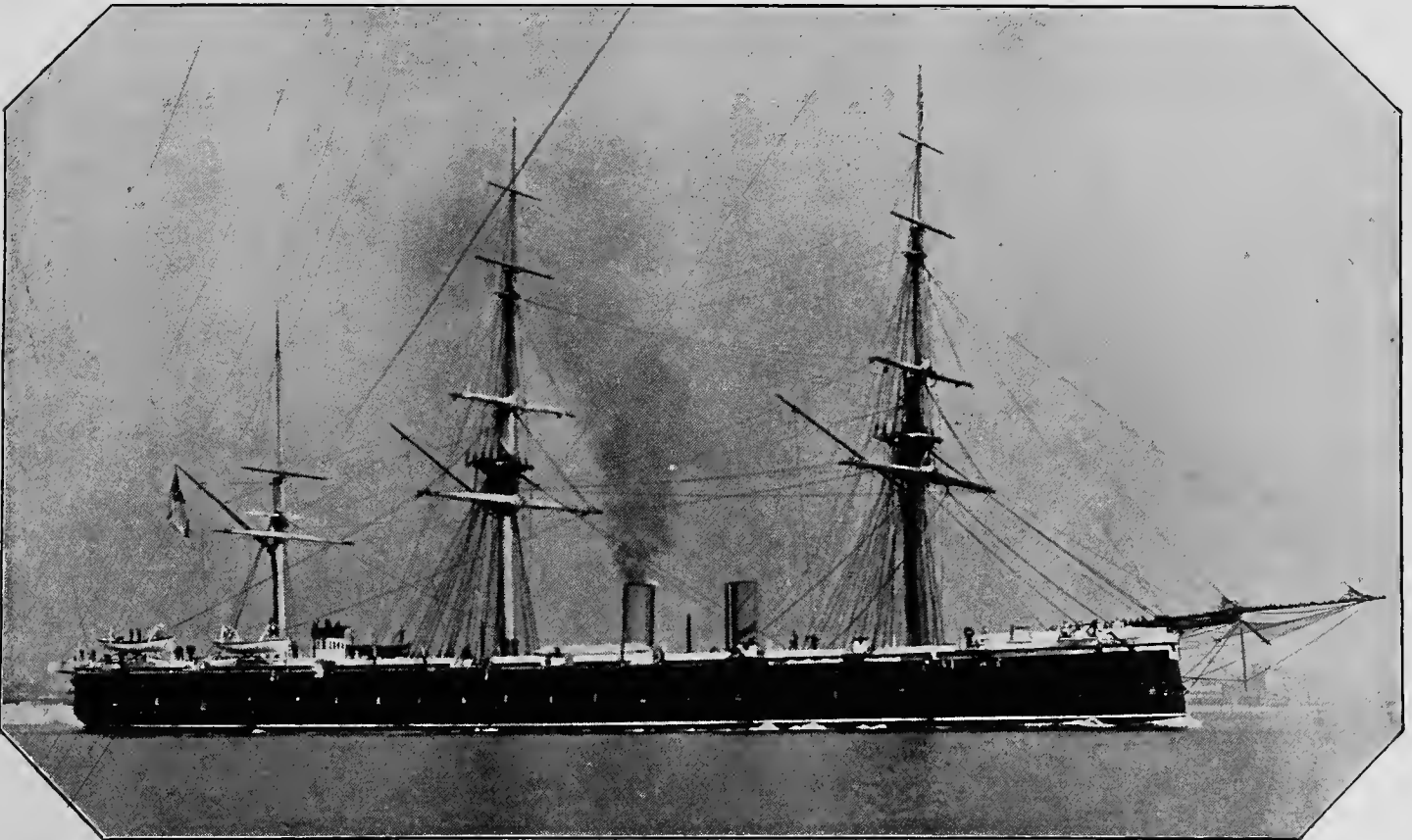


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H.M.S. "ACHILLES." (See p. 34.)

ARMED CRUISERS, FIRST-CLASS.**ACHILLES** (Iron). One Screw. 1st Class.

Length, 380 ft. Breadth, 58 ft. 3½ in. Draught, 27 ft. 3 in.
 Displacement, 9,820. Indicated H.P., 4,000. Coal, 750 tons. Endurance, 2,500 knots at 10 knots speed.
 Where built, Chatham. Cost, £444,600 (about). Speed, 12½ knots.
 Maker of Engines, Penn. When completed, 1864.
 Armament, fourteen 12-ton M.L.R. Two 6-in. 5-ton. Eight 3-pounders, Q.F. Sixteen Machine, two light.
 Armour, side 4½ in. Bulkhead, 4½ in. Backing, 18 to 10 in. Complement, 707.

AGINCOURT (Iron). One Screw. 1st Class.

Length, 400 ft. Breadth, 59 ft. 5 in. Draught, 27 ft. 9 in.
 Displacement, 10,600. Indicated H.P., 4,000. Coal, 750 tons. Endurance, 1,300 knots at 10 knots speed.
 Where built, Birkenhead. Cost, £465,000 (about). Speed, 12 knots.
 Maker of Engines, Maudslay. When completed, 1868.
 Armament, seventeen 12-ton M.L.R.G. Ten 3-pounders. Seven Machine, five light.
 Armour, side 5½ in. Bulkhead, 4½ in. Backing, 10 in.
 Torpedoes, two Launching Carriages. Complement, 687.

AURORA (Steel). Twin Screws. 1st Class.

Length, 300 ft. Breadth, 56 ft. Draught, 22 ft. 6 in.
 Displacement, 5,600. Indicated H.P., 8,500. Coal, 900 tons. Endurance, 8,000 knots at 10 knots speed.
 Where built, Pembroke. Cost, £284,500 (about). Speed, 18 knots.
 Makers of Engines, J. & G. Thomson. When completed, 1889.
 Armament, two 22-ton. Ten 6-in. Six 6-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, three light.
 Armour, side 10 in. compound. Bulkhead, 16 in. compound. Conning Tower, 12 in. Backing, 6 in. Deck Plating, 3 and 2 in.
 Torpedoes, two Launching Carriages. Complement, 484.

AUSTRALIA (Steel). Twin Screws. 1st Class.

Length, 300 ft. Breadth, 56 ft. Draught, 22 ft. 6 in.
 Displacement, 5,600. Indicated H.P., 8,500. Coal, 900 tons. Endurance, 8,000 knots at 10 knots speed.
 Where built, Glasgow. Cost, £260,000 (about). Speed, 18 knots.
 Maker of Engines, Napier. When completed, 1888.
 Armament, two 22-ton. Ten 6-in. Six 6-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, three light.
 Armour, side 10 in. compound. Bulkhead, 16 in. compound. Conning Tower, 12 in. Backing, 6 in. Deck Plating, 3 and 2 in.
 Torpedoes, four Launching Carriages. Complement, 484.

BLACK PRINCE (Iron). One Screw. 1st Class.

Length, 380 ft. 2 in. Breadth, 58 ft. 4 in. Draught, 26 ft. 10 in.
 Displacement, 9,210. Indicated H.P., 4,000. Coal, 750 tons. Endurance, 1,080 knots at 10 knots speed.
 Where built, Glasgow. Cost, £358,000 (about). Speed, 12½ knots.
 Maker of Engines, Penn. When completed, 1862.
 Armament, four 9-ton M.L.R. Twenty-two 6½-ton, M.L.R. Two 6-in. Four 3-pounders, Q.F. Seven Machine, eight light.
 Armour, side 4½ in. Bulkhead, 4½ in. Backing, 18 to 10 in.
 Torpedoes, two Launching Carriages. Complement, 701.



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H.M.S. "HOTSPUR." (See p. 22.)

ARMED CRUISERS, FIRST-CLASS—*continued.***GALATEA** (Steel). Twin Screws. 1st Class.

Length, 300 ft. Breadth, 56 ft. Draught, 22 ft. 6 in.

Displacement, 5,600. Indicated H.P., 8,500. Coal, 900 tons. Endurance, 8,000 knots at 10 knots speed.

Where built, Glasgow. Cost, £259,000 (about). Speed, 18 knots.

Maker of Engines, Napier. When completed, 1889.

Armament, two 22-ton. Ten 6-in. Six 6-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, three light.

Armour, side 10 in. compound. Bulkhead, 16 in. compound. Conning Tower, 12 in. compound.

Backing, 6 in. Deck Plating, 3 and 2 in.

Torpedoes, four Launching Carriages. Complement, 484.

IMMORTALITÉ (Steel). Twin Screws. 1st Class.

Length, 300 ft. Breadth, 56 ft. Draught, 22 ft. 6 in.

Displacement, 5,600 tons. Indicated H.P., 8,500. Coal, 900 tons. Endurance, 8,000 knots at 10 knots speed.

Where built, Chatham. Cost, £278,500 (about). Speed, 18 knots.

Maker of Engines, Earle. When completed, 1889.

Armament, two 22-ton. Ten 6-in. Six 6-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, three light.

Armour, side 10 in. compound. Bulkhead, 16 in. compound. Conning Tower, 12 in. compound.

Backing, 6 in. Deck Plating 3 and 2 in.

Torpedoes, two Launching Carriages. Complement, 484.

IMPÉRIEUSE (Steel, Copper Sheathed). Twin Screws. 1st Class.

Length, 315 ft. Breadth, 62 ft. Draught, 27 ft. 4 in.

Displacement, 8,400 tons. Indicated H.P., 10,000. Coal, 1,140 tons. Endurance, 7,000 knots at 10 knots speed.

Where built, Portsmouth. Cost, £531,000 (about). Speed, 16½ knots.

Maker of Engines, Maudslay. When completed, 1886.

Armament, four 24-ton. Ten 6-in., Q.F. Eight 6-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, two light.

Armour, side 10 in. compound. Bulkhead, 9 in. compound. Barbette, 8 in. compound. Backing, 10 in. Deck Plating, 4 and 2 in.

Torpedoes, two fixed tubes, four Launching Carriages. Complement, 544.

MINOTAUR (Iron). Twin Screws. 1st Class.

Length, 400 ft. Breadth, 59 ft. 5 in. Draught, 27 ft. 3 in.

Displacement, 10,690 tons. Indicated H.P., 4,000. Coal, 750 tons. Endurance, 1,200 knots at 10 knots speed.

Where built, Blackwall. Cost, £457,000 (about). Speed, 12 knots.

Maker of Engines, Penn. When completed, 1867.

Armament, seventeen 12-ton M.L.R. Four 4·7-in., Q.F. Eight 3-pounders, Q.F. Eight Machine, four light.

Armour, side 5½ in. Bulkhead, 4½ in. Backing, 10 in.

Torpedoes, two Launching Carriages. Complement, 701.

ARMED CRUISERS, FIRST-CLASS—*continued.***NARCISSUS** (Steel). Twin Screws. 1st Class.

Length, 300 ft. Breadth, 56 ft. Draught, 22 ft. 6 in.
 Displacement, 5,600 tons. Indicated H.P., 8,500. Coal, 900 tons. Endurance, 8,000 knots at 10 knots speed.
 Where built, Hull. Cost, £257,500 (about). Speed, 18 knots.
 Maker of Engines, Earle. When completed, 1889.
 Armament, two 22-ton. Ten 6-in., Q.F. Six 6-pounders, Q.F. Ten 3-pounders, Q.F. Six Machine, three light.
 Armour, side 10 in. compound. Bulkhead, 16 in. compound. Conning Tower, 12 in. compound. Backing, 6 in. Deck Plating, 3 and 2 in.
 Torpedoes, four Launching Carriages. Complement, 484.

NELSON (Iron, Zinc Sheathed). Twin Screws. 1st Class.

Length, 280 ft. Breadth, 60 ft. Draught, 26 ft. 6 in.
 Displacement, 7,630 tons. Indicated H.P., 5,500. Coal, 1,150 tons. Endurance, 5,200 knots at 10 knots speed.
 Where built, Glasgow. Cost, £391,000 (about). Speed, 13½ knots.
 Maker of Engines, Elder. When completed, 1880.
 Armament, four 18-ton M.L.R. Eight 12-ton M.L.R. Four 4·7-in., Q.F. Six 6-pounders, Q.F. Fourteen 3-pounders, Q.F. Seven Machine, three light.
 Armour, side 9 and 6 in. Bulkhead, 9, 8, and 6 in. Conning Tower, 9 in. Backing, 13 to 10 in. Deck Plating, 3 and 2 in.
 Torpedoes, two Launching Carriages. Complement, 580.

NORTHAMPTON (Iron, Zinc Sheathed). Twin Screws. 1st Class.

Length, 280 ft. Breadth, 60 ft. Draught, 25 ft. 9 in.
 Displacement, 7,630 tons. Indicated H.P., 4,500. Coal, 1,150 tons. Endurance, 3,850 knots at 10 knots speed.
 Where built, Glasgow. Cost, £395,000 (about). Speed, 12½ knots.
 Maker of Engines, Penn. Ship completed, 1878.
 Armament, four 18-ton M.L.R. Eight 12-ton M.L.R. Six 6-pounders, Q.F. Eight 3-pounders, Q.F. Ten Machine, three light.
 Armour, side 9 and 6 in. Bulkhead, 9, 8, and 6 in. Conning Tower, 9 in. Backing, 13 to 10 in. Deck Plating, 3 and 2 in.
 Torpedoes, two Launching Carriages. Complement, 580.

NORTHUMBERLAND (Iron). One Screw. 1st Class.

Length, 400 ft. 4 in. Breadth, 59 ft. 5 in. Draught, 27 ft. 1 in.
 Displacement, 10,780 tons. Indicated H.P., 4,400. Coal, 756 tons. Endurance, 1,270 knots at 10 knots speed.
 Where built, Millwall. Cost, £471,400 (about). Speed, 13 knots.
 Maker of Engines, Penn. Ship completed, 1868.
 Armament, seven 12-ton M.L.R. Twenty 9-ton M.L.R. One 6-in., one 5-in., six 4·7-in., Q.F. Ten 3-pounders, Q.F. Six Machine, five light.
 Armour, side 5½ in. Bulkhead, 4½ in. Conning Tower, 5½ in. Backing, 10 in.
 Torpedoes, four Launching Carriages. Complement, 701.

ARMED CRUISERS, FIRST-CLASS—*continued.***ORLANDO** (Steel). Twin Screws. 1st Class.

Length, 300 ft. Breadth, 56 ft. Draught, 22 ft. 6 in.

Displacement, 5,600 tons. Indicated H.P., 8,500. Coal, 900 tons. Endurance, 8,000 knots at 10 knots speed.

Where built, Jarrow. Cost, £266,800 (about). Speed, 18 knots.

Maker of Engines, Palmer. Launched, 1888.

Armament, two 22-ton. Ten 6 in. Six 6-pounders, Q.F. Ten 3-pounders, Q.F. Seven Machine, three light.

Armour, side 10 in. compound. Bulkhead, 16 in. compound. Conning Tower, 12 in. compound. Backing, 6 in. Deck Plating, 3 and 2 in.

Torpedoes, two Launching Carriages. Complement, 484.

SHANNON (Iron, Zinc Sheathed). One Screw. 1st Class.

Length, 260 ft. Breadth, 54 ft. Draught, 23 ft. 4 in.

Displacement, 5,390 tons. Indicated H.P., 2,500. Coal, 580 tons. Endurance, 2,260 knots at 10 knots speed.

Where built, Pembroke. Cost, £287,500 (about). Speed, 11½ knots.

Maker of Engines, Laird. Ship completed, 1877.

Armament, two 18-ton M.L.R. Seven 12-ton M.L.R. Eleven Machine, eight light.

Armour, side 9, 8, and 6 in. Bulkhead, 9 and 8 in. Conning Tower, 9 in. Backing, 10 and 12 in. Deck Plating, 3 and 1 in.

Torpedoes, two Launching Carriages. Complement now, 156.

UNDAUNTED (Steel). Twin Screws. 1st Class.

Length, 300 ft. Breadth, 56 ft. Draught, 22 ft. 6 in.

Displacement, 5,600 tons. Indicated H.P., 8,500. Coal, 900 tons. Endurance, 8,000 knots at 10 knots speed.

Where built, Jarrow. Cost, £256,000 (about). Speed, 18 knots.

Makers of Engines, Palmer & Co. Ship completed, 1889.

Armament, two 22-ton. Ten 6-in. Six 6-pounders, Q.F. Ten 3-pounders, Q.F. Seven Machine, three light.

Armour, side 10 in. compound. Bulkheads, 16 in. compound. Conning Tower, 12 in. compound. Backing, 6 in. Deck Plating, 3 and 2 in.

Torpedoes, four Launching Carriages. Complement, 484.

WARRIOR (Iron). One Screw. 1st Class.

Length, 380 ft. 2 in. Breadth, 58 ft. 4 in. Draught, 26 ft. 9 in.

Displacement, 9,210 tons. Indicated H.P., 4,000. Coal, 790 tons. Endurance, 1,210 knots at 10 knots speed.

Where built, Blackwall. Cost, £357,000 (about). Speed, 12½ knots.

Maker of Engines, Penn. Ship completed, 1861.

Armament, four 9-ton. Twenty-eight 6½-ton. Eight Machine, four light.

Armour, side 4½ in. Bulkhead, 4½ in. Backing, 18 to 10 in. Complement, 687.

WARSPITE (Steel, Copper Sheathed). Twin Screws. 1st Class.

Length, 315 ft. Breadth, 62 ft. Draught, 27 ft. 4 in.

Displacement, 8,400 tons. Indicated H.P., 10,000 F.D. Coal, 1,130 tons. Endurance, 7,000 knots at 10 knots speed.

Where built, Chatham. Cost, £529,300 (about). Speed, 16¾ knots.

Maker of Engines, Penn. Ship completed, 1888.

Armament, four 22-ton. Ten 6-in. Four 6-pounders, Q.F. Nine 3-pounders, Q.F. Six Machine, two light.

Armour, side 10 in. compound. Bulkhead, 9 in. compound. Barbette, 8 in. Backing, 10 in. Deck Plating, 4 and 2 in.

Torpedoes, two fixed tubes and four Launching Carriages. Complement, 535.

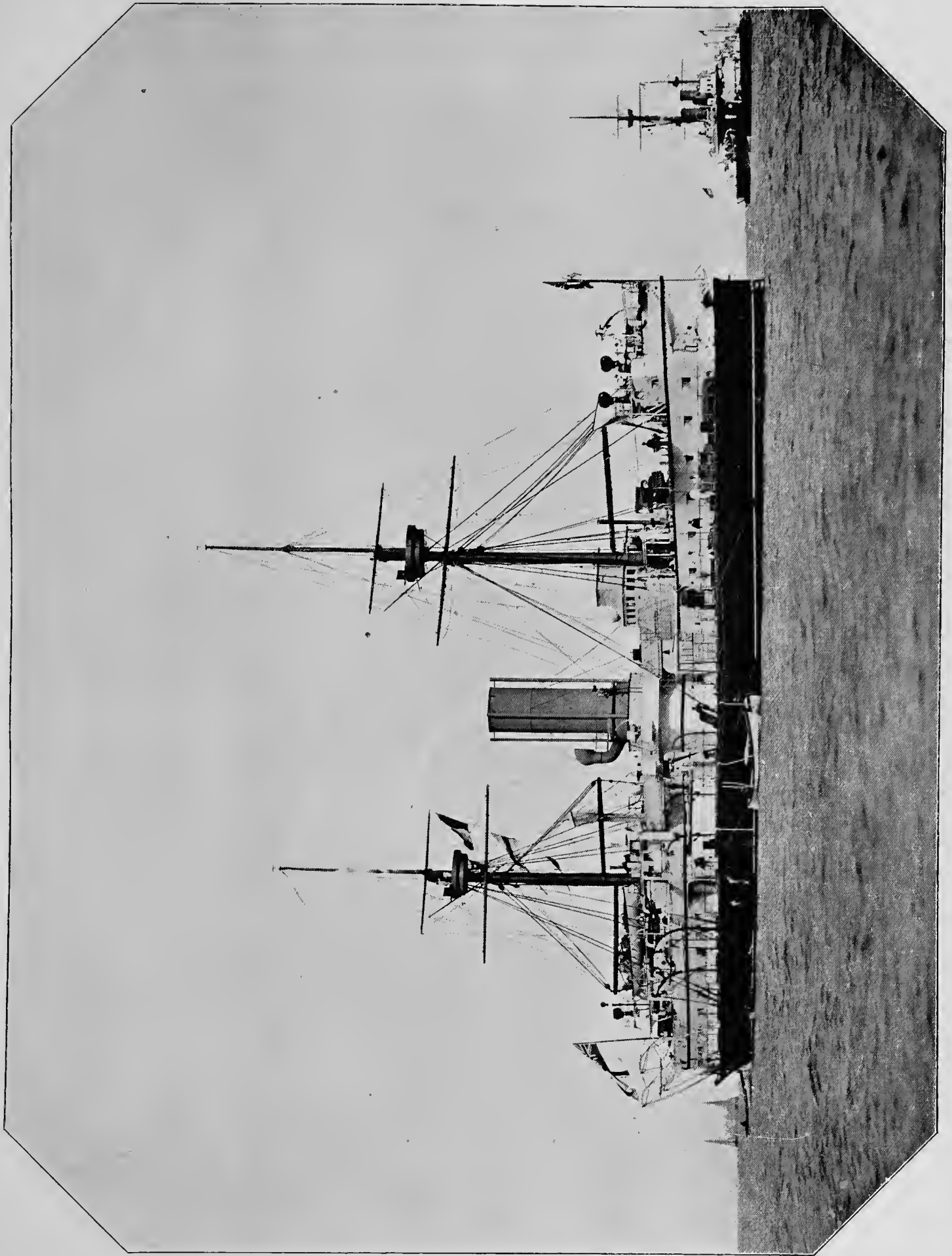


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Southsea.

H.M.S. "AJAX." (See p. 11.)

UNARMoured SHIPS.

FIRST-CLASS CRUISERS.

BLAKE, D.P.T., 6 and 3 in. Twin Screw (Steel).

Length, 375 ft. Breadth, 65 ft. Draught, 25 ft. 9 in.

Displacement, 9,000 tons. Indicated H.P., 21,411. To see re I.H.P. Speed, $21\frac{1}{2}$ knots. Coal, 1,500 tons.

Where built, Chatham. Maker of Engines, Maudslay. Date of Launch, 1889.

Cost, £440,471 (about). Complement of Officers and Men, 570.

Armament, two 22-ton. Ten 6-in., Q.F. Sixteen 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, two fixed tubes (submerged). Two Launching Carriages.

BLLENHEIM, D.P.T., 6 and 3 in. Twin Screw (Steel).

Length, 375 ft. Breadth, 65 ft. Draught, 25 ft. 9 in.

Displacement, 9,000 tons. Indicated H.P., F.D., 21,411. Speed, $21\frac{1}{2}$ knots. Coal, 1,500 tons.

Where built, Thames Iron Works. Maker of Engines, Humphrys. Launched, 1890.

Cost, £425,591 (about). Complement of Officers and Men, 570.

Armament, two 22-ton. Ten 6-in., Q.F. Sixteen 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, two fixed tubes (submerged). Two Launching Carriages.

CRESCENT, D.P.T., 5 and 1 in. (Steel and Copper Sheathed). Twin Screw.

Length, 360 ft. Breadth, 60 ft. Draught, 23 ft. 9 in.

Displacement, 7,700 tons. Indicated H.P., 12,000. Speed, $19\frac{3}{4}$ knots. Coal, 850 tons.

Where built, Portsmouth. Maker of Engines, Penn. Launched, 1892.

Cost, £383,068 (about). Complement of Officers and Men, 560.

Armament, two 22-ton. Twelve 6-in., Q.F. Twelve 6-pounders, Q.F. Five 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, two fixed tubes (submerged), two tr. do.

EDGAR, D.P.T., 5 and 1 in. (Steel). Twin Screw.

Length, 360 ft. Breadth, 60 ft. Draught, 23 ft. 9 in.

Displacement, 7,350 tons. Indicated H.P., 13,250. Speed, $20\frac{3}{4}$ knots. Coal, 850 tons.

Where built, Devonport. Maker of Engines, Elder. Launched, 1890.

Cost, £401,083 (about). Complement of Officers and Men, 544.

Armament, two 22-ton. Ten 6-in., Q.F. Twelve 6-pounders, Q.F. Five 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, four tubes (two submerged), two tr.

ENDYMION, D.P.T. (Steel), 5 and 1 in. Twin Screw.

Length, 360 ft. Breadth, 60 ft. Draught, 23 ft. 9 in.

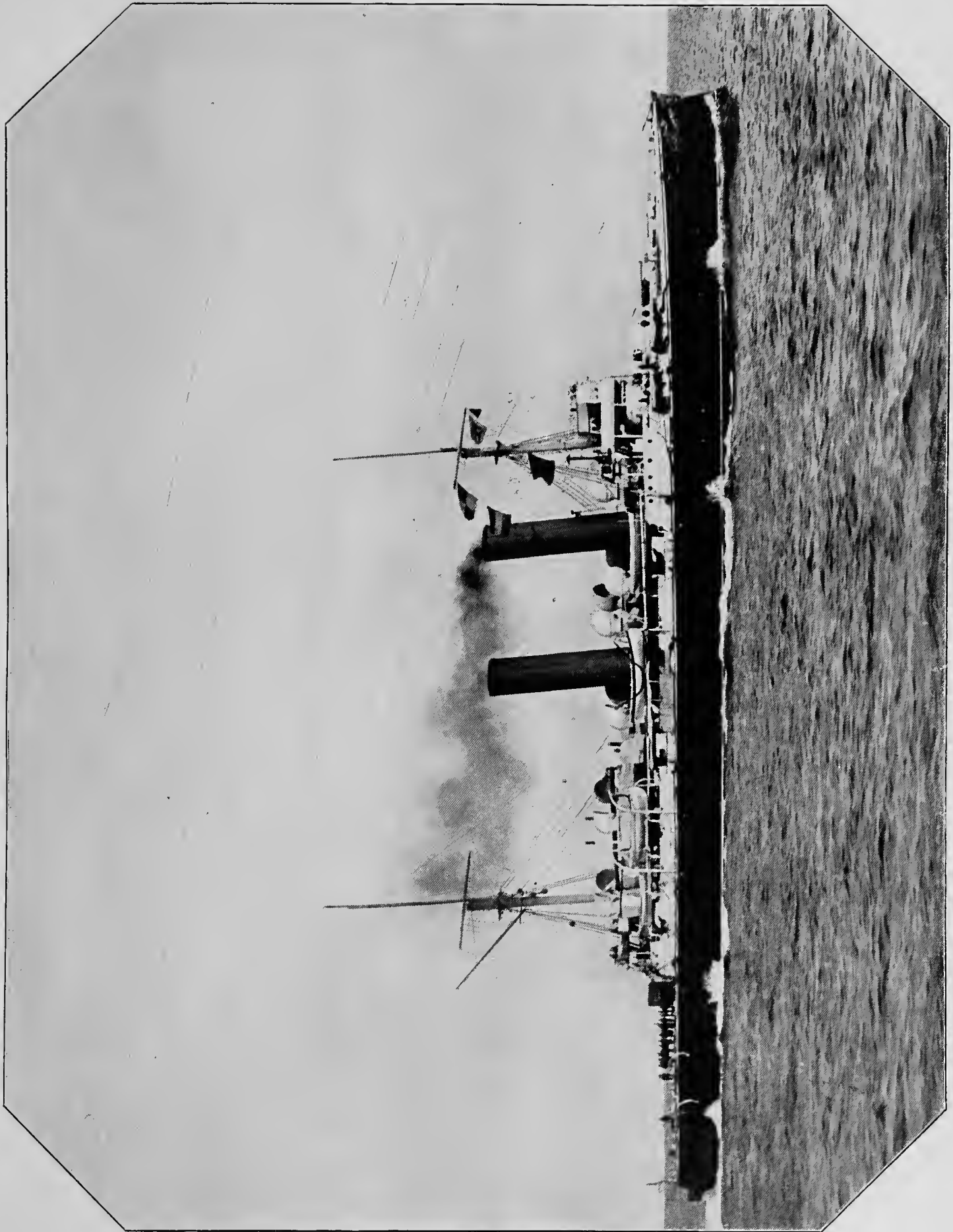
Displacement, 7,350 tons. Indicated H.P., 12,000. Speed, 20 knots. Coal, 850 tons.

Where built, Hull. Engines, Earle. Launched, 1891.

Cost, £350,459 (about). Complement of Officers and Men, 544.

Armament, two 22-ton. Ten 6-in., Q.F. Twelve 6-pounders, Q.F. Five 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, four tubes (two submerged), two tr.



H.M.S. "BLENHEIM."

Photo by G. WEST & SON,
Southsea.

FIRST-CLASS CRUISERS—*continued.***GIBRALTAR**, D.P.T., 5 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 360 ft. Breadth, 60 ft. Draught, 23 ft. 9 in.

Displacement, 7,700 tons. Indicated H.P., 12,000. Speed, $19\frac{3}{4}$ knots. Coal, 850 tons.

Where built, Glasgow. Engines, Napier. Launched, 1892.

Cost, £347,634 (about). Complement of Officers and Men, 419.

Armament, two 22-ton. Ten 6-in., Q.F. Twelve 6-pounders, Q.F. Five 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, four tubes (two submerged), two tr.

GRAFTON, D.P.T., 5 and 1 in. (Steel). Twin Screw.

Length, 360 ft. Breadth, 60 ft. Draught, 23 ft. 9 in.

Displacement, 7,350 tons. Indicated H.P., 13,480. Speed, 20 knots. Coal, 850 tons.

Where built, Blackwall. Engines, Humphrys. Launched, 1892.

Cost, £351,851 (about). Complement of Officers and Men, 544.

Armament, two 22-ton. Ten 6-in., Q.F. Twelve 6-pounders, Q.F. Five 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, four tubes (two submerged), two tr.

HAWKE, D.P.T., 5 and 1 in. (Steel). Twin Screw.

Length, 360 ft. Breadth, 60 ft. Draught, 23 ft. 9 in.

Displacement, 7,350 tons. Indicated H.P., 12,000. Speed, 20 knots. Coal, 850 tons.

Where built, Chatham. Engines, Elder. Launched, 1891.

Cost, £365,491 (about). Complement of Officers and Men, 544.

Armament, two 22-ton. Ten 6-in., Q.F. Twelve 6-pounders, Q.F. Five 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, four tubes (two submerged), two tr.

POWERFUL, D.P.T., 4 and 6 in. (Steel, Copper Sheathed). Twin Screw.

Length, 500 ft. Breadth, 71 ft. Draught, 27 ft.

Displacement, 14,200 tons. Indicated H.P., 25,000. Speed, $22\frac{1}{2}$ knots. Coal, 3,000 tons.

Where built, Barrow. Engines, Barrow. Launched, 1895. Crew number 840 men.

Cost, £655,400 (about). Hull comprises 326 Watertight Compartments. Belleville Boilers.

Armament, two 9.2-in. Twelve 6-in., Q.F. Sixteen 12-pounders, Q.F. Twelve 3-pounders, Q.F. Nine Machine, two light.

Torpedoes, four fixed tubes (submerged).

ROYAL ARTHUR, D.P.T., 5 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 360 ft. Breadth, 60 ft. Draught, 23 ft. 9 in.

Displacement, 7,700 tons. Indicated H.P., 12,000. Speed, $19\frac{3}{4}$ knots. Coal, 850 tons.

Where built, Portsmouth. Engines, Maudslay. Launched, 1891.

Cost, £402,414 (about). Complement of Officers and Men, 567.

Armament, two 22-ton, B.L.R. Twelve 6-in., Q.F. Twelve 6-pounders, Q.F. Five 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, four tubes (two submerged), two tr.

ST. GEORGE, D.P.T., 5 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 360 ft. Breadth, 60 ft. 8 in. Draught, 23 ft. 9 in.

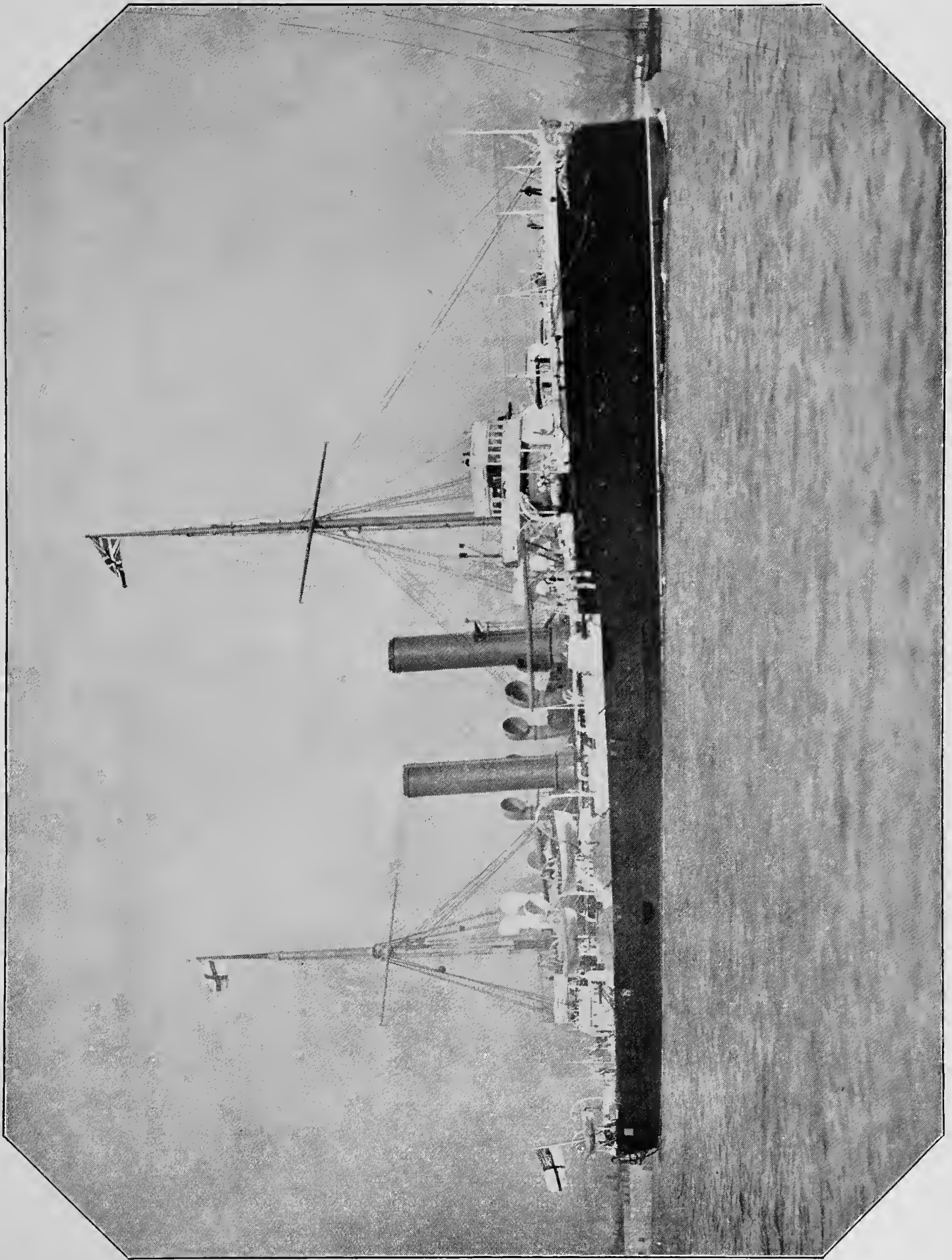
Displacement, 7,700 tons. Indicated H.P., 12,000. Speed, $19\frac{3}{4}$ knots. Coal, 850 tons.

Where built, Hull. Engines, Maudslay. Launched, 1892.

Cost, £377,204 (about). Complement of Officers and Men, 559.

Armament, two 22-ton. Ten 6-in., Q.F. Twelve 6-pounders, Q.F. Five 3-pounders, Q.F. Seven Machine, two light.

Torpedoes, four tubes (two submerged), two tr.



H.M.S. "ROYAL ARTHUR."

Photo by G. WEST & SON,
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FIRST-CLASS CRUISERS—*continued.***TERRIBLE**, D.P.T. (Steel, Copper Sheathed). Twin Screw.

Length, 500 ft. Breadth, 71 ft. Draught, 27 ft.
 Displacement, 14,200 tons. Indicated H.P., 25,000. Speed, 23 knots. Coal, 3,000 tons.
 Where built, Glasgow. Engines, Thomson. Launched, 1895.
 Cost, £662,845 (about). Complement of Officers and Men, 840.
 Armament, two 9·2-in. Twelve 6-in., Q.F. Sixteen 12-pounders, Q.F. Ten 3-pounders, Q.F.
 Nine Machine, two light.
 Torpedoes, four fixed tubes (submerged). (Sister ship to "Powerful.")

THESEUS, D.P.T., 5 and 1 in. (Steel). Twin Screw.

Length, 360 ft. Breadth, 60 ft. Draught, 23 ft. 9 in.
 Displacement, 7,350 tons. Indicated H.P., 12,000. Speed, 20 knots. Coal, 850 tons.
 Where built, Blackwall. Engines, Maudslay. Launched, 1892.
 Cost, £347,577 (about). Complement of Officers and Men, 544.
 Armament, two 22-ton. Ten 6-in., Q.F. Twelve 6-pounders, Q.F. Five 3-pounders, Q.F. Seven
 Machine, two light.
 Torpedoes, four tubes (two submerged), two tr.

SECOND-CLASS CRUISERS.

ARETHUSA, P.D.P., 1½ in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 20 ft. 6 in.
 Displacement, 4,300 tons. Indicated H.P., 5,000. Speed, 17 knots. Coal, 1,000 tons.
 Where built, Glasgow. Engines, Napier. Launched, 1882.
 Cost, £145,200 (about). Complement of Officers and Men, 309.
 Armament, ten 6-in. Four 3-pounders, Q.F. Ten Machine, two light.
 Torpedoes, four Launching Carriages.

ACTIVE (Iron, Wood, and Copper Sheathed). One Screw.

Length, 270 ft. Breadth, 42 ft. Draught, 21 ft. 4 in.
 Displacement, 3,080 tons. Indicated H.P., 2,400. Speed, 15 knots. Coal, 410 tons.
 Where built, Blackwall. Engines, Humphrys. Launched, 1869.
 Cost, £126,080 (about.) Complement of Officers and Men, 339.
 Armament, ten 6-in. Two 64-pounders, M.L.R. Nine Machine, two light.
 Torpedoes, two Launching Carriages.

ÆOLUS, D.P.T., 2 and 1 in. (Steel, Wood, and Copper Sheathed). Twin Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 17 ft. 6 in.
 Displacement, 3,600 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.
 Where built, Devonport. Engines, Hawthorn. Launched, 1892.
 Cost, £208,450 (about). Complement of Officers and Men, 273.
 Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four
 Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

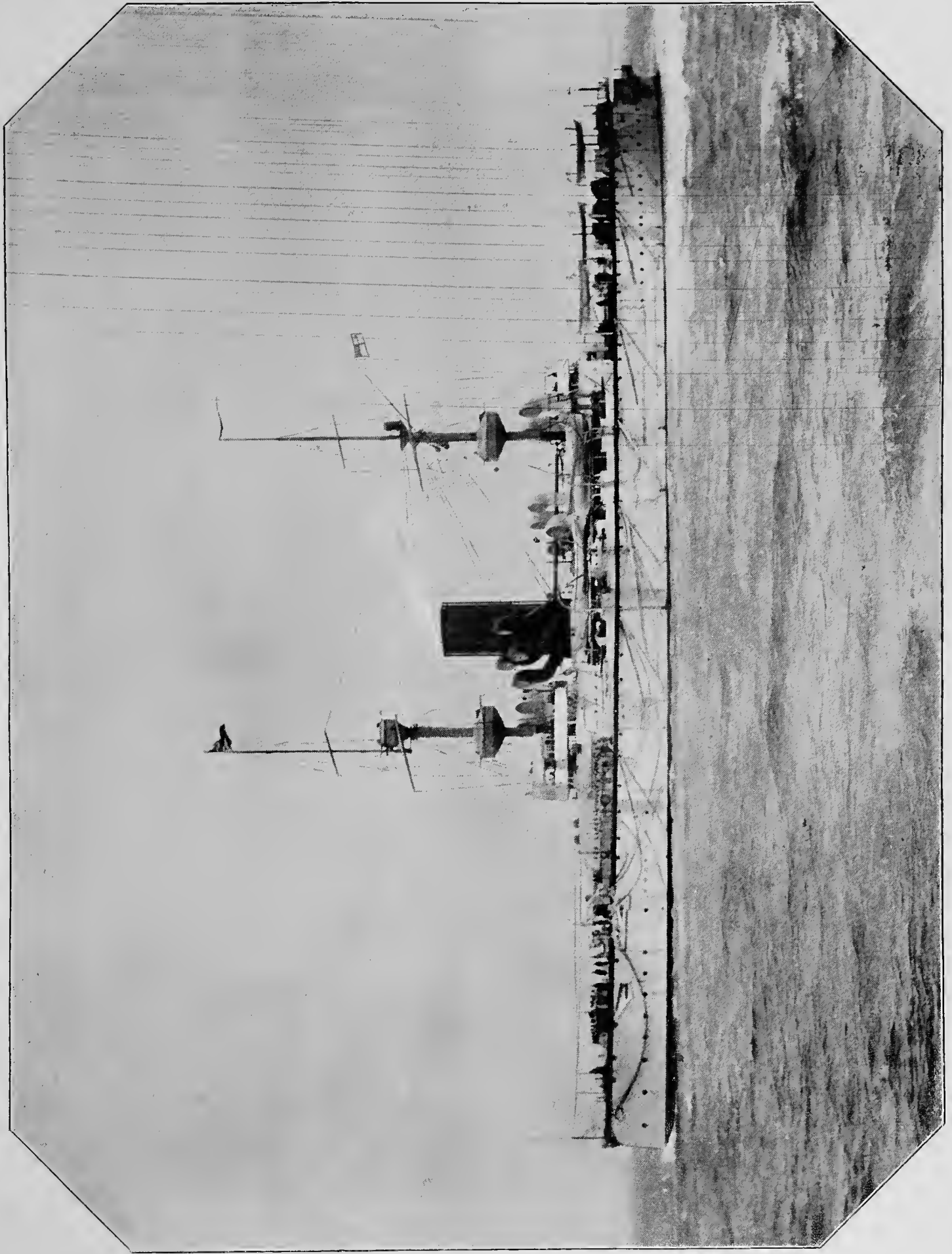


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H.M.S. "CENTURION." (See p. 2.)

SECOND-CLASS CRUISERS—*continued.***AMPHION**, P.D.P., 1½ in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 20 ft. 6 in.
 Displacement, 4,300 tons. Indicated H.P., 5,000. Speed, 16½ knots. Coal, 1,000 tons.
 Where built, Pembroke. Engines, Maudslay. Launched, 1883.
 Cost, £160,500 (about). Complement of Officers and Men, 309.
 Armament, ten 6-in. 5-ton. Four 3-pounders, Q.F. Thirteen Machine, two light.
 Torpedoes, four Launching Carriages.

ANDROMACHE, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 16 ft. 6 in.
 Displacement, 3,400 tons. Indicated H.P., 9,000. Speed, 20 knots. Coal, 400 tons.
 Where built, Chatham. Engines, Earle. Launched, 1890.
 Cost, £186,280 (about). Complement of Officers and Men, 273.
 Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F.
 Four Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

APOLLO, D.P.T., 2 and 1 in. (Steel). One Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 16 ft. 6 in.
 Displacement, 3,400 tons. Indicated H.P., 9,000. Speed, 20 knots. Coal, 400 tons.
 Where built, Chatham. Engines, Earle. Launched, 1891.
 Cost, £186,361 (about). Complement of Officers and Men, 273.
 Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F.
 Four Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

ASTRÆA, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 320 ft. Breadth, 49 ft. 6 in. Draught, 19 ft.
 Displacement, 4,360 tons. Indicated H.P., 9,112. Speed, 19½ knots. Coal, 400 tons.
 Where built, Devonport. Engines, Devonport. Launched, 1893.
 Cost, £244,831 (about). Complement of Officers and Men, 312.
 Armament, two 6-in., Q.F. Eight 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F.
 Four Machine, one light.
 Torpedoes, two fixed tubes, two tr. do.

BOADICEA (Iron, Copper Sheathed). One Screw.

Length, 280 ft. Breadth, 45 ft. Draught, 23 ft. 8 in.
 Displacement, 4,140 tons. Indicated H.P., 4,500. Speed, 14½ knots. Coal, 570 tons.
 Where built, Portsmouth. Engines, Rennie. Launched, 1875.
 Cost, £220,500 (about). Complement of Officers and Men, 439.
 Armament, two 6-in. Twelve 90-cwt., M.L.R. Four 6-pounders, Q.F. Two 3-pounders, Q.F.
 Ten Machine, two light.
 Torpedoes, two Launching Carriages.

BONAVENTURE, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 320 ft. Breadth, 49 ft. 6 in. Draught, 19 ft.
 Displacement, 4,360 tons. Indicated H.P., 9,365. Speed, 19½ knots. Coal, 400 tons.
 Where built, Devonport. Engines, Hawthorn. Launched, 1892.
 Cost, £247,128 (about). Complement of Officers and Men, 312.
 Armament, two 6-in., Q.F. Eight 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F.
 Four Machine, one light.
 Torpedoes, two fixed tubes, two tr. do.



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H.M.S. "RODNEY." (See p. 10.)

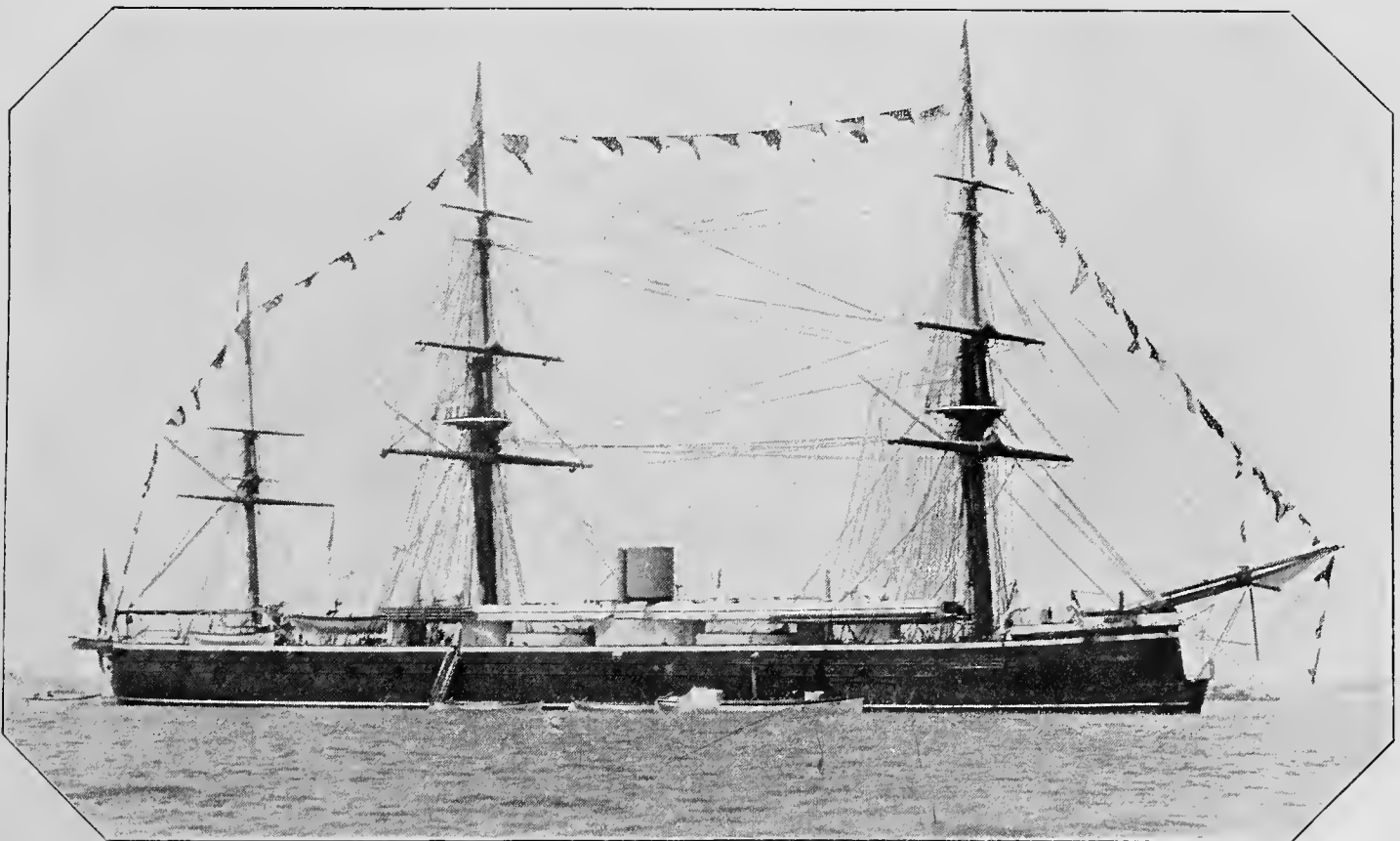


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H.M.S. "MONARCH." (See p. 18.)

SECOND-CLASS CRUISERS—*continued.***BRILLIANT**, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 300 ft. Breadth, 43 ft. 8 in. Draught, 17 ft. 6 in.
 Displacement, 3,600 tons. Indicated H.P., 9,164. Speed, 19½ knots. Coal, 400 tons.
 Where built, Sheerness. Engines, Hawthorn. Launched, 1891.
 Cost, £204,228 (about). Complement of Officers and Men, 273.
 Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F.
 Four Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

CAMBRIAN, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 320 ft. Breadth, 49 ft. 6 in. Draught, 19 ft.
 Displacement, 4,360 tons. Indicated H.P., 9,259. Speed, 19¼ knots. Coal, 400 tons.
 Where built, Pembroke. Engines, Hawthorn. Launched, 1893.
 Cost, £236,919 (about). Complement of Officers and Men, 312.
 Armament, two 6-in., Q.F. Eight 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F.
 Four Machine, one light.
 Torpedoes, two fixed tubes, two tr. do.

CHARYBDIS, P.D.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 320 ft. Breadth, 49 ft. 6 in. Draught, 19 ft.
 Displacement, 4,360 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.
 Where built, Sheerness. Engines, Earle. Launched, 1893.
 Cost, £237,344 (about). Complement of Officers and Men, 312.
 Armament, two 6-in., Q.F. Eight 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four
 Machine, one light.
 Torpedoes, two fixed tubes, two tr. do.

ECLIPSE, D.P.T. (Steel, Copper Sheathed). Twin Screw.

Length, 350 ft. Breadth, 53 ft. Draught, 20 ft. 3 in.
 Displacement, 5,600 tons. Indicated H.P., 9,600. Speed, 19½ knots. Coal, 550 tons.
 Where built, Portsmouth. Engines, Portsmouth. Launched, 1895.
 Cost, £484,633 (about). Complement of Officers and Men, 437.
 Armament, five 6-in., Q.F. Six 4·7-in., Q.F. Eight 12-pounders, Q.F. One 3-pounder, Q.F. Four
 Machine, one light.
 Torpedoes, five fixed tubes (two submerged).

FLORA, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 320 ft. Breadth, 49 ft. 6 in. Draught, 19 ft.
 Displacement, 4,360 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.
 Where built, Pembroke. Engines, Barrow. Launched, 1893.
 Cost, £231,410 (about). Complement of Officers and Men, 312.
 Armament, two 6-in., Q.F. Eight 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four
 Machine, one light.
 Torpedoes, two fixed tubes, two tr. do.

FORTE, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 320 ft. Breadth, 49 ft. 6 in. Draught, 19 ft.
 Displacement, 4,360 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.
 Where built, Chatham. Engines, Chatham. Launched, 1893.
 Cost, £234,956 (about). Complement of Officers and Men, 312.
 Armament, two 6-in., Q.F. Eight 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four
 Machine, one light.
 Torpedoes, two fixed tubes, two tr. do.

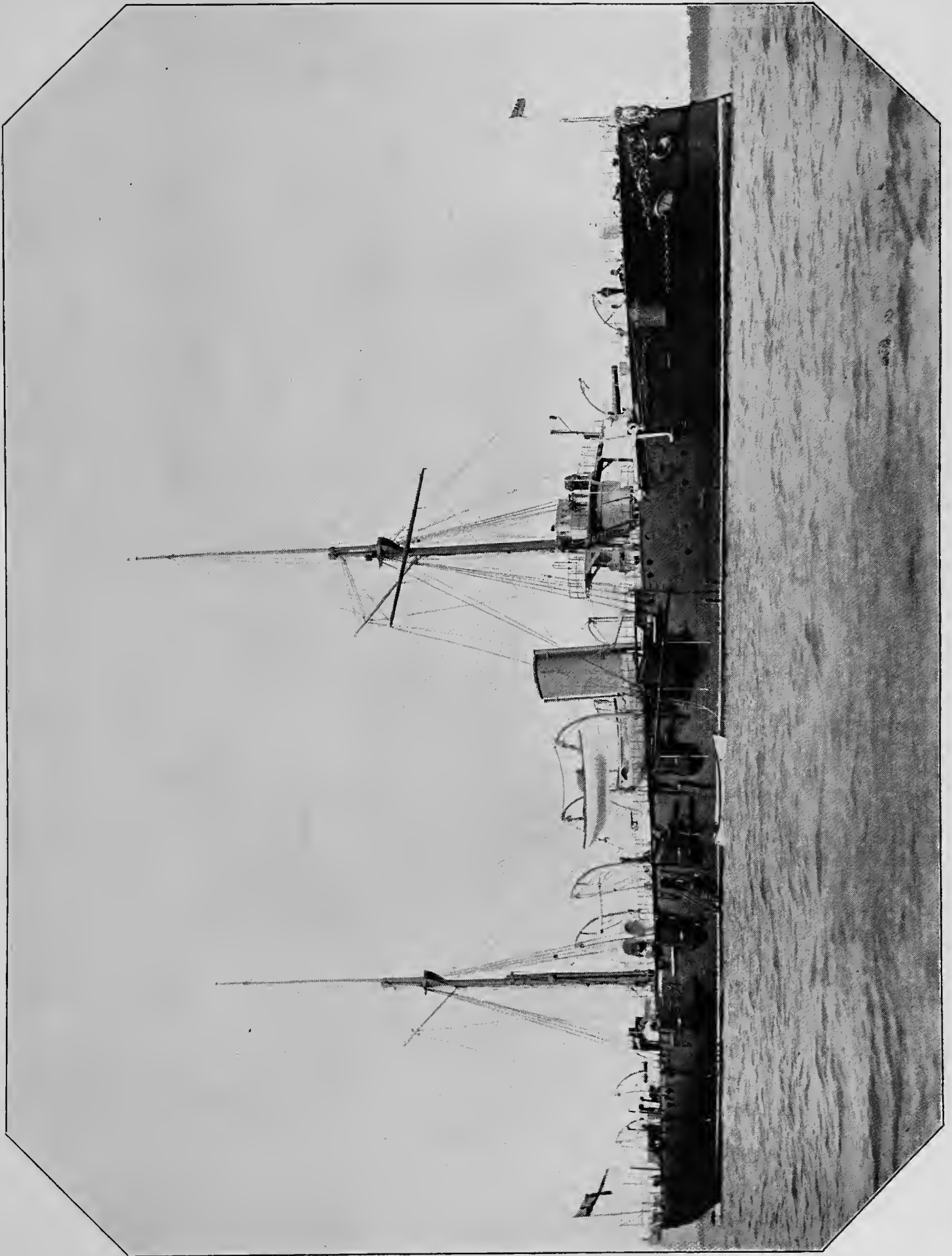


Photo by G. WEST & SON,
Southsea.

H.M.S. "FORTH." (See p. 50.)

SECOND-CLASS CRUISERS—*continued.***FORTH**, D.P.T., 3 and 2 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 20 ft.

Displacement, 4,050 tons. Indicated H.P., 5,700. Speed, 16½ knots. Coal, 900 tons.

Where built, Pembroke. Engines, Hawthorn. Launched, 1886.

Cost, £202,000 (about).

Armament, two 15-ton. Ten 6-in. Three 6-pounders, Q.F. Eight 3-pounders, Q.F. Six Machine, two light.

Torpedoes, two Launching Carriages.

FOX, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). One Screw.

Length, 320 ft. Breadth, 49 ft. 6 in. Draught, 19 ft.

Displacement, 4,360 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.

Where built, Portsmouth. Engines, Portsmouth. Launched, 1893.

Cost, £234,229 (about).

Armament, two 6-in., Q.F. Eight 4·7-in., Q.F. Eight 6-pounders. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two tr. do.

HERMIONE, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 320 ft. Breadth, 49 ft. 6 in. Draught, 19 ft.

Displacement, 4,360 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.

Where built, Devonport. Engines, Thomson. Launched, 1893.

Cost, £232,377 (about).

Armament, two 6-in., Q.F. Eight 4·7-in., Q.F. Eight 6-pounders. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two tr. do.

INCONSTANT (Iron, Copper Sheathed). One Screw.

Length, 337 ft. 4 in. Breadth, 50 ft. 3 in. Draught, 25 ft. 6 in.

Displacement, 5,780 tons. Indicated H.P., 4,200. Speed, 16 knots. Coal, 750 tons.

Where built, Pembroke. Engines, Penn. Launched, 1868.

Cost, £213,350 (about).

Armament, ten 12-ton, M.L.R. Six 6½-ton, do. Two 3-pounders, Q.F. Eleven Machine, eight light.

Torpedoes, two Launching Carriages.

INDEFATIGABLE, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 300 ft. Breadth, 43 ft. 8 in. Draught, 17 ft. 6 in.

Displacement, 3,600 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.

Where built, Glasgow. Engines, London and Glasgow. Launched, 1891.

Cost, £181,050 (about).

Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

INTREPID, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 300 ft. Breadth, 43 ft. 8 in. Draught, 17 ft. 6 in.

Displacement, 3,600 tons. Indicated H.P., 9,471. Speed, 19½ knots. Coal, 400 tons.

Where built, Glasgow. Engines, London and Glasgow. Launched, 1891.

Cost, £181,160 (about).

Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

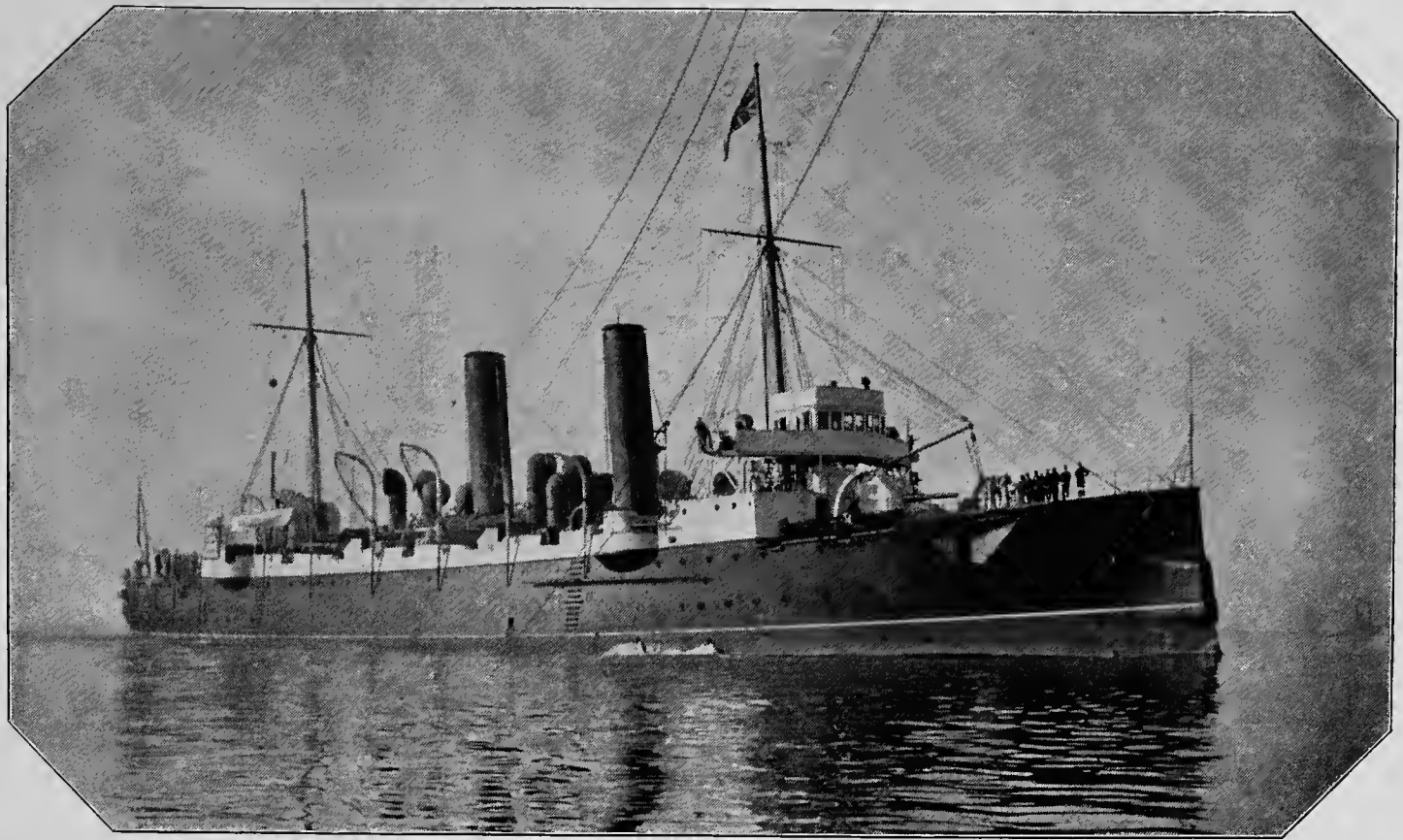


Photo by G. WEST & SON,
Southsea.

H.M.S. "FOX."



Photo by G. WEST & SON,
Southsea.

H.M.S. "INCONSTANT."

SECOND-CLASS CRUISERS—*continued.***IPHIGENIA**, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 300 feet. Breadth, 43 ft. 8 in. Draught, 17 ft. 6 in.
 Displacement, 3,600 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.
 Where built, Glasgow. Engines, London and Glasgow. Launched, 1891.
 Cost, £181,880 (about).
 Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four
 Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

IRIS (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 22 ft.
 Displacement, 3,730 tons. Indicated H.P., 6,000. Speed, 18 knots. Coal, 780 tons.
 Where built, Pembroke. Engines, Maudslay. Launched, 1877.
 Cost, £213,200 (about).
 Armament, thirteen 5-in. Four 3-pounders, Q.F. Eight Machine, one light.
 Torpedoes, four Launching Carriages.

LATONA, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 16 ft. 6 in.
 Displacement, 3,400 tons. Indicated H.P., 9,600. Speed, 20 knots. Coal, 400 tons.
 Where built, Barrow. Engines, Barrow. Launched, 1890.
 Cost, £171,070 (about).
 Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four
 Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

LEANDER, P.D.P., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 20 ft. 6 in.
 Displacement, 4,300 tons. Indicated H.P., 5,000. Speed, 16½ knots. Coal, 1,000 tons.
 Where built, Glasgow. Engines, Napier. Launched, 1882.
 Cost, £148,500 (about).
 Armament, ten 6-in. 5-ton. Four 3-pounders, Q.F. Fourteen Machine, two light.
 Torpedoes, four Launching Carriages.

MELAMPUS, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 16 ft. 6 in.
 Displacement, 3,400 tons. Indicated H.P., 9,000. Speed, 20 knots. Coal, 400 tons.
 Where built, Barrow. Engines, Barrow. Launched, 1890.
 Cost, £171,640 (about).
 Armament, two 6-in. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four
 Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

MERCURY (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 22 ft.
 Displacement, 3,730 tons. Indicated H.P., 6,000. Speed, 16½ knots. Coal, 780 tons.
 Where built, Pembroke. Engines, Maudslay. Launched, 1878.
 Cost, £213,250 (about).
 Armament, thirteen 5-in. Four 3-pounders, Q.F. Nine Machine, one light.
 Torpedoes, four Launching Carriages.



Photo by G. WEST & SON,
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H.M.S. "BLACK PRINCE." (See p. 30.)



Photo by G. WEST & SON,
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H.M.S. "BACCHANTE."
(TO BE SOLD.)

SECOND-CLASS CRUISERS—*continued.***MERSEY**, D.P.T., 3 and 2 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 19 ft. 6 in.

Displacement, 4,050 tons. Indicated H.P., 6,000. Speed, 17½ knots. Coal, 900 tons.

Where built, Chatham. Engines, Humphrys. Launched, 1885.

Cost, £154,000 (about).

Armament, two 15-ton. Ten 6-in. Three 6-pounders, Q.F. Two 3-pounders, Q.F. Nine Machine, two light.

Torpedoes, two tubes (submerged), two Launching Carriages.

MINERVA, D.P.T. (Steel, Copper Sheathed). Twin Screw.

Length, 350 ft. Breadth, 53 ft. Draught, 2 ft. 30 in.

Displacement, 5,600 tons. Indicated H.P., 9,600. Speed, 19½ knots. Coal, 560 tons.

Where built, Chatham. Engines, Chatham.

Cost, £480,000 (about).

Armament, five 6-in., Q.F. Six 4·7-in., Q.F. Eight 12-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, three fixed tubes (two submerged).

NAIAD, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 16 ft. 6 in.

Displacement, 3,400 tons. Indicated H.P., 9,000. Speed, 20 knots. Coal, 400 tons.

Where built, Barrow. Engines, Barrow. Launched, 1890.

Cost, £171,450 (about).

Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

PHAETON, P.D.P., 1½ in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 20 ft. 6 in.

Displacement, 4,300 tons. Indicated H.P., 5,000. Speed, 16½ knots. Coal, 1,000 tons.

Where built, Glasgow. Engines, Napier. Launched, 1883.

Cost, £145,100 (about).

Armament, ten 6-in. Four 3-pounders, Q.F. Eleven Machine, two light.

Torpedoes, four Launching Carriages.

PIQUE, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 300 ft. Breadth, 43 ft. 8 in. Draught, 17 ft. 6 in.

Displacement, 3,600 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.

Where built, Jarrow. Engines, Palmer. Launched, 1890.

Cost, £184,110 (about).

Armament, two 6-in. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

RAINBOW, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 300 ft. Breadth, 43 ft. 8 in. Draught, 17 ft. 6 in.

Displacement, 3,600 tons. Indicated H.P., 9,681. Speed, 19½ knots. Coal, 400 tons.

Where built, Jarrow. Engines, Palmer. Launched, 1891.

Cost, £184,100 (about).

Armament, two 6-in. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

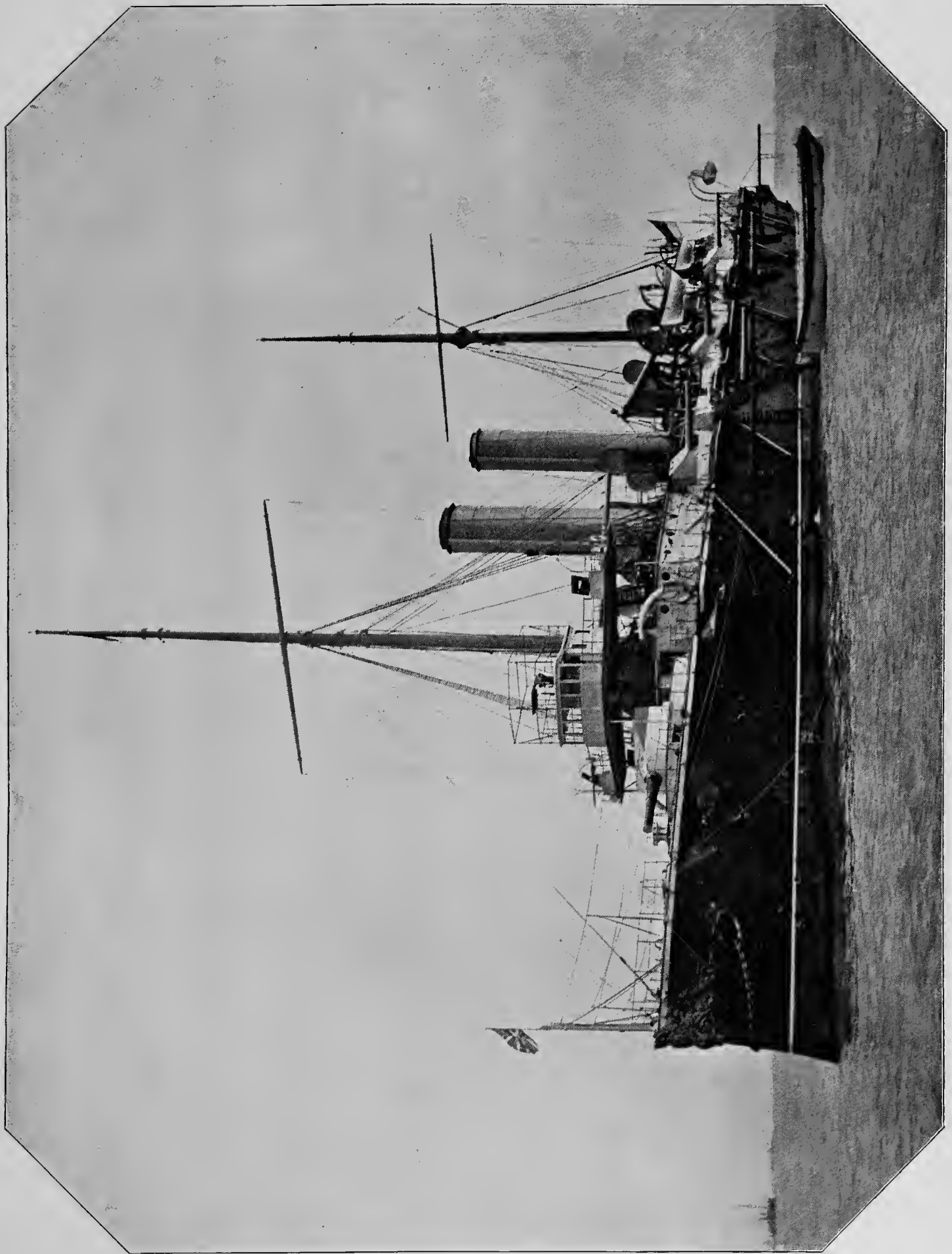


Photo by G. WEST & SON,
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H.M.S. "ENDYMION." (See p. 40.)

SECOND-CLASS CRUISERS—*continued.***RALEIGH** (Iron, Copper Sheathed). One Screw.

Length, 298 ft. Breadth, 49 ft. Draught, 24 ft. 7 in.

Displacement, 5,200 tons. Indicated H.P., 4,200. Speed, 14 knots. Coal, 550 tons.

Where built, Chatham. Engines, Humphrys. Launched, 1873.

Cost, £193,400 (about).

Armament, eight 90-cwt. M.L.R. Eight 6-in. Eight 5-in. Twelve Machine, four light.

Torpedoes, two Launching Carriages.

RETRIBUTION, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 300 ft. Breadth, 43 ft. 8 in. Draught, 17 ft. 6 in.

Displacement, 3,600 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.

Where built, Jarrow. Engines, Palmer. Launched, 1891.

Cost, £183,975 (about).

Armament, two 6-in. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

SAPPHO, D.P.T., 2 and 1 in. (Steel). One Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 16 ft. 6 in.

Displacement, 3,400 tons. Indicated H.P., 9,861. Speed, 20¼ knots. Coal, 400 tons.

Where built, Poplar. Engines, Penn. Launched, 1891.

Cost, £171,853 (about).

Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

SCYLLA, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 16 ft. 6 in.

Displacement, 3,400 tons. Indicated H.P., 9,280. Speed, 20½ knots. Coal, 400 tons.

Where built, Poplar. Engines, Penn. Launched, 1892.

Cost, £171,595 (about).

Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounder, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

SEVERN, D.P.T., 3 and 2 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 19 ft. 6 in.

Displacement, 4,050 tons. Indicated H.P., 6,000. Speed, 17¼ knots. Coal, 900 tons.

Where built, Chatham. Engines, Humphrys. Launched, 1885.

Cost, £212,520 (about).

Armament, two 15-ton. Ten 6-in. Three 6-pounders, Q.F. Two 3-pounders, Q.F. Ten Machine, two light.

Torpedoes, one tube (submerged), two Launching Carriages.

SIRIUS, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 300 ft. Breadth, 43 ft. 8 in. Draught, 17 ft. 6 in.

Displacement, 3,600 tons. Indicated H.P., 9,000. Speed, 19½ knots. Coal, 400 tons.

Where built, Elswick. Engines, Maudslay. Launched, 1890.

Cost, £186,650 (about).

Armament, two 6-in. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

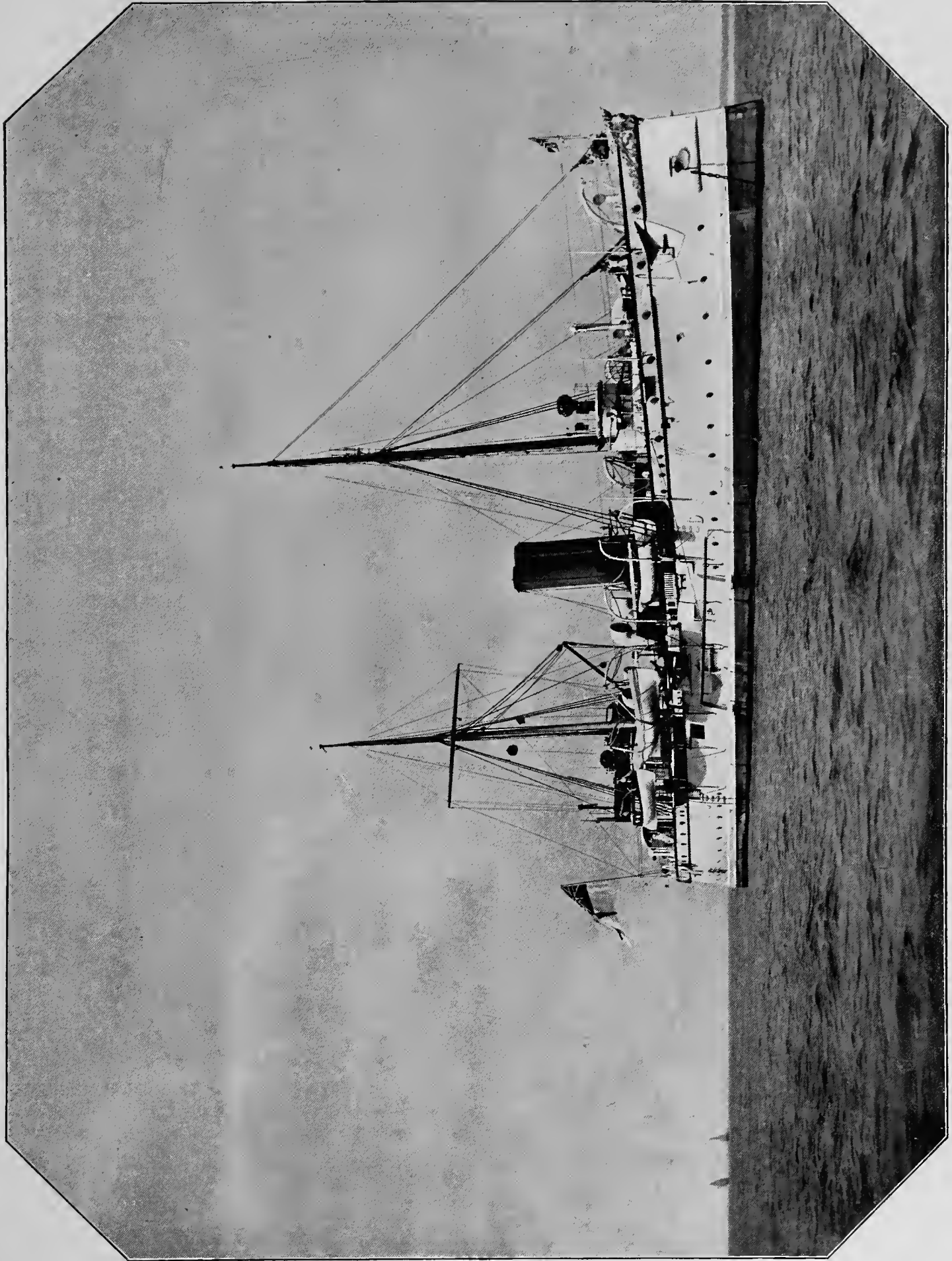


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H.M.S. "BARROSA," (See p. 62.)

SECOND-CLASS CRUISERS—*continued.***SPARTAN**, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 300 ft. Breadth, 43 ft. 8 in. Draught, 17 ft. 6 in.

Displacement, 3,600 tons. Indicated H.P., 9,000. Speed, 20 knots. Coal, 400 tons.

Where built, Elswick. Engines, Maudslay. Launched, 1891.

Cost, £186,350 (about).

Armament, two 6-in., Q.F. Six 4·7 in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

SYBILLE, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 42 ft. Draught, 16 ft. 6 in.

Displacement, 3,400 tons. Indicated H.P., 9,496. Speed, 19½ knots. Coal, 400 tons.

Where built, Stephenson's. Engines, Hawthorn. Launched, 1890.

Cost, £174,670 (about).

Armament, two 6-in. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

THAMES, D.P.T., 3 and 2 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. Draught, 19 ft. 6 in.

Displacement, 4,050 tons. Indicated H.P., 5,700. Speed, 16½ knots. Coal, 900 tons.

Where built, Pembroke. Engines, Penn. Launched, 1885.

Cost, £205,000 (about).

Armament, two 15-ton. Ten 6-in. Three 6-pounders, Q.F. Eight 3-pounders, Q.F. Six Machine, two light.

Torpedoes, two Launching Carriages.

THETIS, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 16 ft. 6 in.

Displacement, 3,400 tons. Indicated H.P., 9,000. Speed, 20 knots. Coal, 400 tons.

Where built, Glasgow. Engines, Thomson. Launched, 1890.

Cost, £173,146 (about).

Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

TRIBUNE, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 16 ft. 6 in.

Displacement, 3,400 tons. Indicated H.P., 9,000. Speed, 20 knots. Coal, 400 tons.

Where built, Glasgow. Engines, Thomson. Launched, 1891.

Cost, £173,010 (about).

Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

VOLAGE (Iron, Copper Sheathed).

Length, 270 ft. Breadth, 42 ft. Draught, 22 ft.

Displacement, 3,080 tons. Indicated H.P., 2,400. Speed, 12½ knots. Coal, 420 tons.

Where built, Blackwall. Engines, Ravenhill. Launched, 1874.

Cost, £132,820 (about).

Armament, ten 6-in. Two 64-pounders, M.L.R. Ten Machine, two light.

Torpedoes, two Launching Carriages.



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H.M.S. "INTREPID." (See p. 50.)

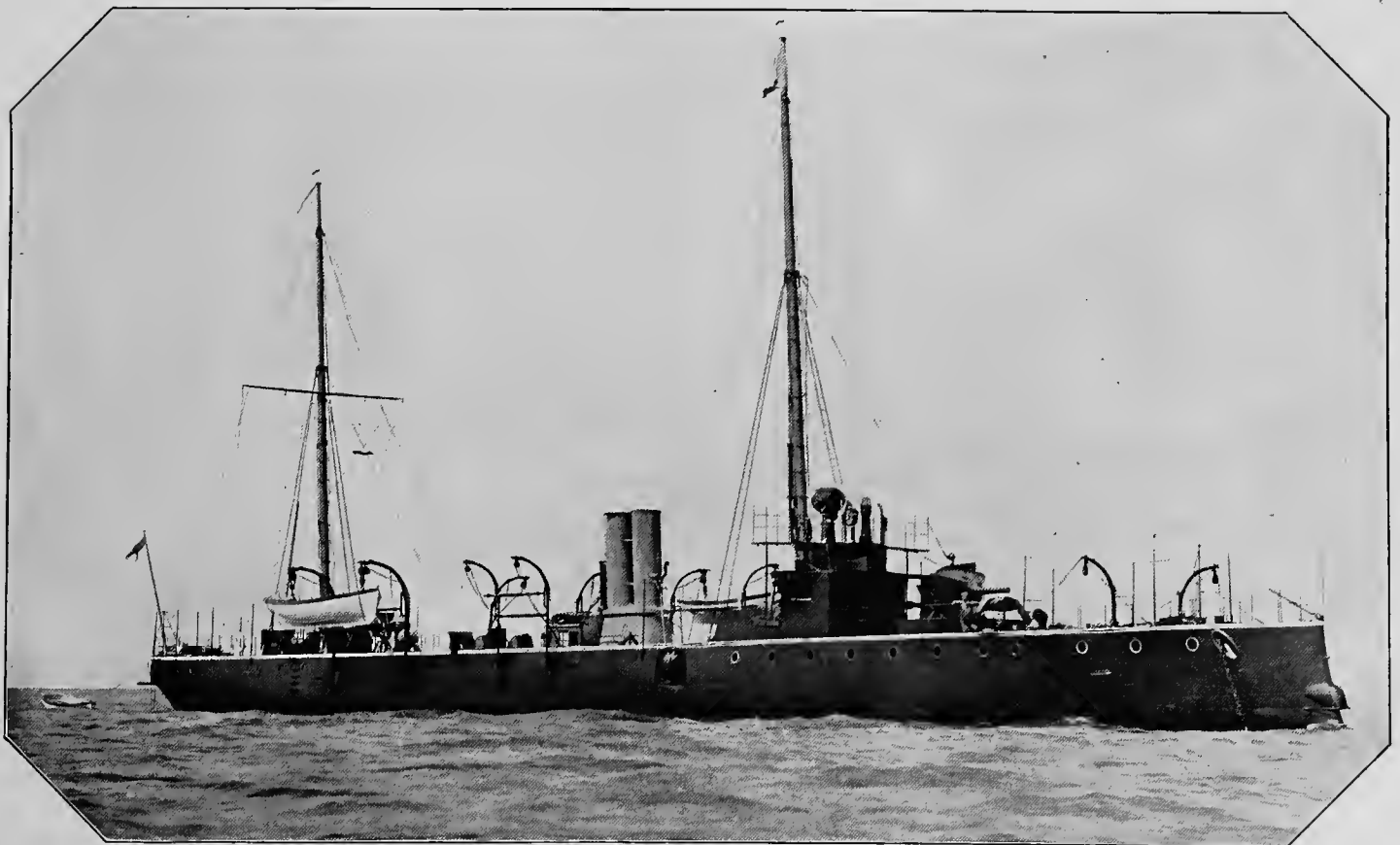


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H.M.S. "SANDBLY." (See p. 82.)

SECOND-CLASS CRUISERS—*continued.***TALBOT**, D.P.T. (Steel, Copper Sheathed). Twin Screw.

Length, 350 ft. Breadth, 53 ft. 6 in. Draught, 20 ft. 6 in.
 Displacement, 5,600 tons. Indicated H.P., 9,600. Speed, 19½ knots. Coal, 550 to 1,000 tons.
 Where built, Devonport. Engines, Devonport. Launched, 1895.
 Cost, £305,559 (about).
 Armament, five 6-in., Q.F. Six 4·7-in., Q.F. Ten 6 and 3-pounders (Hotchkiss), Q.F. Four
 Machine, one light.
 Torpedoes, four fixed tubes (two submerged).

TERPSICHOE, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 43 ft. Draught, 16 ft. 6 in.
 Displacement, 3,400 tons. Indicated H.P., 9,000. Speed, 20 knots. Coal, 400 tons.
 Where built, Glasgow. Engines, Thomson. Launched, 1890.
 Cost, £173,340 (about).
 Armament, two 6-in., Q.F. Six 4·7-in., Q.F. Eight 6-pounders, Q.F. One 3-pounder, Q.F. Four
 Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

ARROGANT, Cruiser.

Building at Devonport.

DIANA, D.P.T. Twin Screw. Eleven Guns.

Building, F. S. Co., Glasgow. Talbot Class.
 Displacement, 5,600 tons. Indicated H.P., 8,000 N.D. (9,600 F.D.).

DIDO, D.P.T. Twin Screw. Eleven Guns.

Building, L. & G. E. Co., Glasgow.
 Displacement, 5,600 tons. Indicated H.P., 8,000 N.D. (9,600 F.D.).

DORIS, D.P.T. Twin Screw. Eleven Guns.

Building in Barrow-in-Furness. Talbot Class.
 Displacement, 5,600 tons. Indicated, H.P. 8,000 N.D. (9,600 F.D.).

FURIOUS, Cruiser.

Building at Devonport.

ISIS, same as *Dido*.**JUNO**, same as *Dido*.**PHENIX**, Sloop.

Length, 185 ft. Breadth, 32 ft. 6 in. Draught, 18 ft. 3 in.
 Displacement, 1,050 tons. Indicated H.P., 1,400.
 Where built, Devonport. Engines, Keyham. Speed, 12½ knots. Coal, 160 tons.
 Cost, £66,473 (about).
 Armament, six 4-in. Two 5-pounders. Four 3-pounders, Q.F.

VENUS, same as *Dido*.

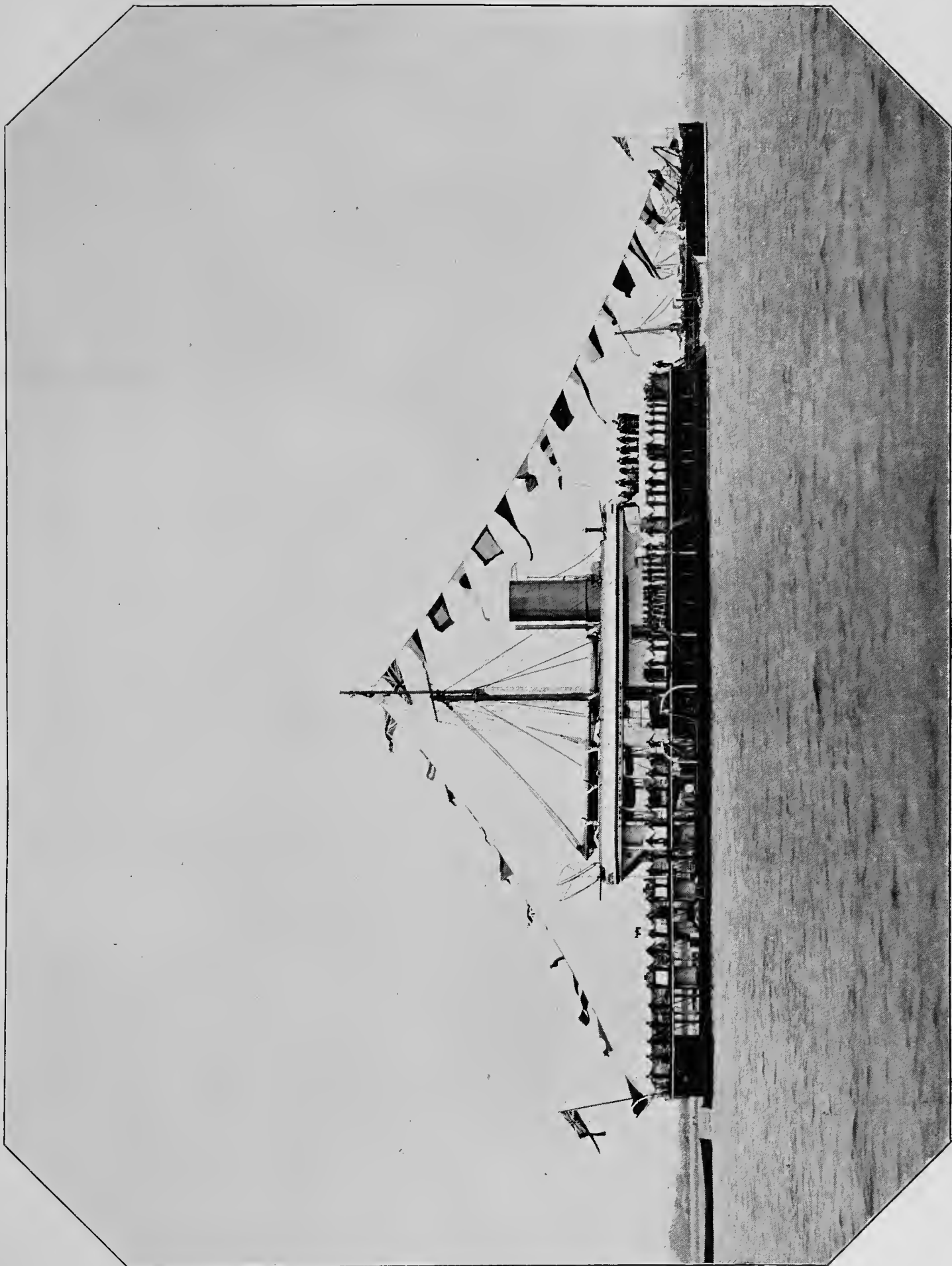


Photo by G. WEST & SON,
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H.M.S. "GLATTON." (See p. 18.)

THIRD-CLASS CRUISERS.**ARCHER** (Steel). Twin Screw.

Length, 225 ft. Breadth, 36 ft. Draught, 14 ft. 6 in.
 Displacement, 1,770 tons. Indicated H.P., 3,500. Speed, 16½ knots. Coal, 475 tons.
 Where built, Glasgow. Engines, Thomson. Launched, 1885.
 Cost, £87,500 (about).
 Armament, six 6-in. Eight 3-pounders, Q.F. Two Machine, one light.
 Torpedoes, one fixed tube, two Launching Carriages.

BARHAM, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 286 ft. Breadth, 35 ft. Draught, 13 ft. 3 in.
 Displacement, 1,830 tons. Indicated H.P., 4,538. Speed, 18½ knots. Coal, 140 tons.
 Where built, Portsmouth. Engines, Hawthorn. Launched, 1889.
 Cost, £113,300 (about).
 Armament, six 4·7-in., Q.F. Four 3-pounders, Q.F. Two Machine.
 Torpedoes, two Launching Carriages.

BARRACOUTA, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 220 ft. Breadth, 35 ft. Draught, 14 ft.
 Displacement, 1,580 tons. Indicated H.P., 3,000. Speed, 16½ knots. Coal, 160 tons.
 Where built, Sheerness. Engines, Palmer. Launched, 1889.
 Cost, £96,616 (about).
 Armament, six 4·7-in., Q.F. Four 3-pounders, Q.F. Two Machine.
 Torpedoes, two Launching Carriages.

BARROSA, D.P.T. 2 and 1 in. (Steel). Twin Screw.

Length, 220 ft. Breadth, 35 ft. Draught, 14 ft.
 Displacement, 1,580 tons. Indicated H.P., 3,030. Speed, 16½ knots. Coal, 160 tons.
 Where built, Portsmouth. Engines, Palmer. Launched 1889.
 Cost, £79,238 (about).
 Armament, six 4·7-in., Q.F. Four 3-pounders, Q.F. Two Machine.
 Torpedoes, two Launching Carriages.

BELLONA, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 280 ft. Breadth, 35 ft. Draught, 13 ft. 3 in.
 Displacement, 1,830 tons. Indicated H.P., about 4,100. Speed, 17½ knots. Coal, 140 tons.
 Where built, Newcastle. Engines, Hawthorn. Launched, 1890.
 Cost, £94,200 (about).
 Armament, six 4·7-in., Q.F. Four 3-pounders, Q.F. Two Machine.
 Torpedoes, two Launching Carriages.

BLANCHE, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 220 ft. Breadth, 35 ft. Draught, 14 ft.
 Displacement, 1,580 tons. Indicated H.P., 3,000. Speed, 16½ knots. Coal, 160 tons.
 Where built, Pembroke. Engines, Earle. Launched, 1889.
 Cost, £91,110 (about).
 Armament, six 4·7-in., Q.F. Four 3-pounders, Q.F. Two Machine.
 Torpedoes, two Launching Carriages.

BLONDE, D.P.T., 2 and 1 in. (Steel, Copper Sheathed). Twin Screw.

Length, 220 ft. Breadth, 35 ft. Draught, 14 ft.
 Displacement, 1,580 tons. Indicated H.P., 2,800. Speed, 16½ knots. Coal, 160 tons.
 Where built, Pembroke. Engines, Earle. Launched, 1889.
 Cost, £90,060 (about).
 Armament, six 4·7-in., Q.F. Four 3-pounders, Q.F. Two Machines.
 Torpedoes, two Launching Carriages.



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Southsea.

H.M.S. "SPEEDY." (See p. 00.)

THIRD-CLASS CRUISERS—*continued.***BRISK** (Steel). Twin Screw.

Length, 225 ft. Breadth, 36 ft. Draught, 14 ft. 3 in.
 Displacement, 1,770 tons. Indicated H.P., 3,500. Speed, 16½ knots. Coal, 325 tons.
 Where built, Glasgow. Engines, Thomson. Launched, 1886.
 Cost, £87,500 (about).
 Armament, six 6-in. Eight 3-pounders, Q.F. Two Machine, one light.
 Torpedoes, one fixed tube, two Launching Carriages.

CALLIOPE, P.D.P., 1½ in. (Steel, Copper Sheathed). One Screw.

Length, 235 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 11 in.
 Displacement, 2,770 tons. Indicated H.P., 4,020. Speed, 14½ knots. Coal, 550 tons.
 Where built, Portsmouth. Engines, Rennie. Launched 1884.
 Cost, £120,000 (about).
 Armament, four 6-in. Twelve 5-in. 38 cwt. Ten Machine, two light.
 Torpedoes, two Launching Carriages.

CALYPSO, P.D.P., 1½ in. (Steel, Copper Sheathed). One Screw.

Length, 235 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 11 in.
 Displacement, 2,770 tons. Indicated H.P., 3,720. Speed, 14½ knots. Coal, 550 tons.
 Where built, Chatham. Engines, Rennie. Launched, 1883.
 Cost, £119,500 (about).
 Armament, four 6-in. Twelve 5-in. 38 cwt. Ten Machine, two light.
 Torpedoes, two Launching Carriages.

CANADA, P.D.P., 1½ in. (Steel, Copper Sheathed). One Screw.

Length, 235 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 2 in.
 Displacement, 2,380 tons. Indicated H.P., 2,500. Speed, 12¾ knots. Coal, 470 tons.
 Where built, Portsmouth. Engines, Rennie. Launched, 1881.
 Cost, £104,500 (about).
 Armament, ten 6-in., 5-ton. Eight Machine, two light.
 Torpedoes, two Launching Carriages.

CAROLINE, P.D.P., 1¼ in. (Composite). One Screw.

Length, 200 ft. Breadth, 38 ft. Draught, 15 ft. 8½ in.
 Displacement, 1,420 tons. Indicated H.P., 1,440. Speed, 12½ knots. Coal, 400 tons.
 Where built, Sheerness. Engines, Maudslay. Launched, 1882.
 Cost, £71,000 (about).
 Armament, fourteen 5-in. 38 cwt. Eight Machine. One Light.

CARYSFORT, P.D.P., 1½ in. (Steel, Copper Sheathed). One Screw.

Length, 225 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 3 in.
 Displacement, 2,380 tons. Indicated H.P., 2,400. Launched, 1878.
 Where built, Glasgow. Engines, Elder. Speed, 12¾ knots. Coal, 470 tons.
 Cost, £114,500 (about).
 Armament, two 90-cwt. M.L.R. Twelve 64-pounders, M.L.R. Six Machine, two light.
 Torpedoes, two Launching Carriages.

CHAMPION, P.D.P. 1½ in. (Steel, Copper Sheathed). One Screw.

Length, 225 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 3 in.
 Displacement, 2,380 tons. Indicated H.P., 2,400. Launched, 1878.
 Where built, Glasgow. Engines, Elder. Speed, 12¾ knots. Coal, 470 tons.
 Cost, £114,000 (about).
 Armament, four 6-in. Eight 5-in. Four 3-pounders, Q.F. Six Machine, two light.
 Torpedoes, two Launching Carriages.

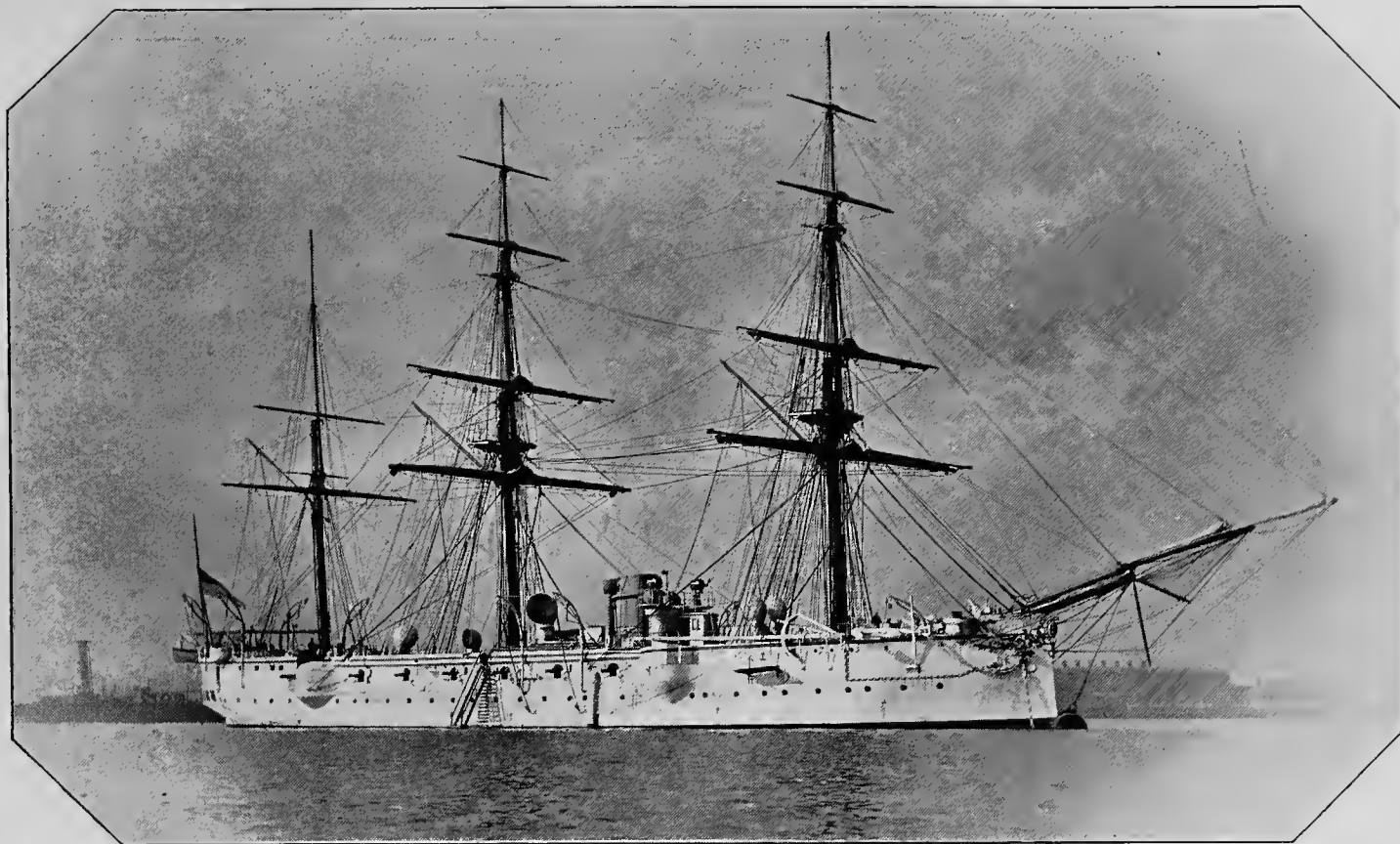


Photo by G. WEST & SUN,
Southsea.

H.M.S. "CALLIOPE."

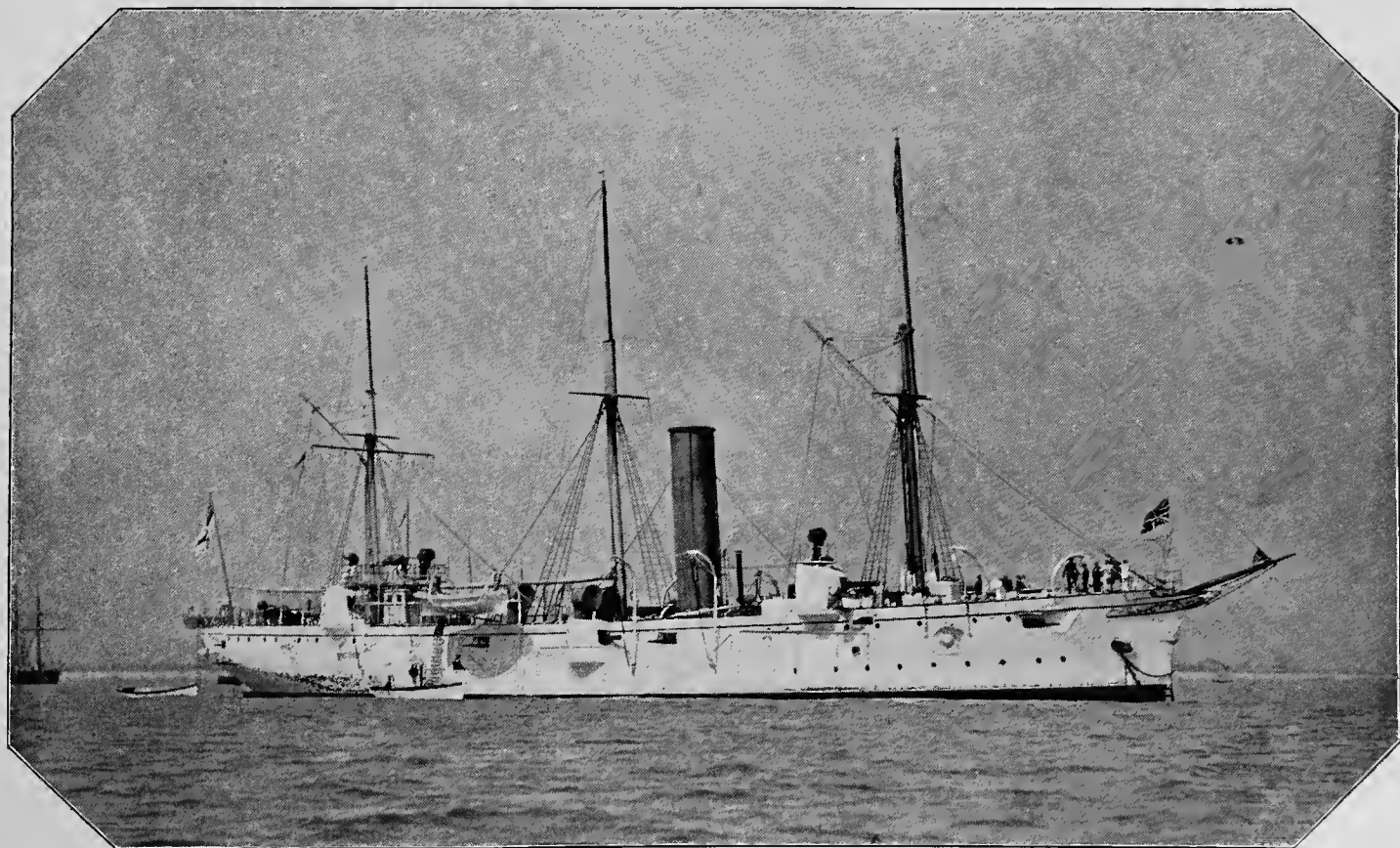


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Southsea.

H.M.S. "ARCHER." (See p. 62.)

THIRD-CLASS CRUISERS—*continued.*

- CLEOPATRA**, P.D.P., $1\frac{1}{2}$ in. (Steel, Copper Sheathed). One Screw.
 Length, 225 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 3 in.
 Displacement, 2,380 tons. Indicated H.P., 2,000. Launched, 1878.
 Where built, Glasgow. Engines, Humphrys. Speed, $12\frac{1}{2}$ knots. Coal, 470 tons.
 Cost, £114,000 (about).
 Armament, four 6-in. Eight 5-in. Four 3-pounders, Q.F. Six Machine, two light.
 Torpedoes, two Launching Carriages.
- COMUS**, P.D.P., $1\frac{1}{2}$ in. (Steel, Copper Sheathed). One Screw.
 Length, 225 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 3 in.
 Displacement, 2,380 tons. Indicated H.P., 2,000. Launched, 1878.
 Where built, Glasgow. Engines, Elder. Speed, $12\frac{3}{4}$ knots.
 Cost, £114,000 (about).
 Armament, four 6-in. Eight 64-pounders, M.L.R. Eight Machine, two light.
 Torpedoes, two Launching Carriages.
- CONQUEST**, P.D.P., $1\frac{1}{2}$ in. (Steel, Copper Sheathed). One Screw.
 Length, 225 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 3 in.
 Displacement, 2,380 tons. Indicated H.P., 2,000. Launched, 1878.
 Where built, Glasgow. Engines, Humphrys. Speed, 13 knots.
 Cost, £111,000 (about).
 Armament, two 90-cwt., M.L.R. Twelve 64-pounders, M.L.R. Six Machine, two light.
 Torpedoes, two Launching Carriages.
- CONSTANCE**, P.D.P., $1\frac{1}{2}$ in. (Steel, Copper Sheathed). One Screw.
 Length, 225 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 3 in.
 Displacement, 2,380 tons. Indicated H.P., 2,000. Launched, 1880.
 Where built, Chatham. Engines, Penn. Speed, 13 knots.
 Cost, £110,000 (about).
 Armament, two 90-cwt., M.L.R. Twelve 64-pounders, M.L.R. Six Machine, two light.
 Torpedoes, two Launching Carriages.
- CORDELIA**, P.D.P., $1\frac{1}{2}$ in. (Steel, Copper Sheathed). One Screw.
 Length, 225 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 3 in.
 Displacement, 2,380 tons. Indicated H.P., 2,000. Launched, 1881.
 Where built, Portsmouth. Engines, Rennie. Speed, $12\frac{3}{4}$ knots.
 Cost, £104,500 (about).
 Armament, ten 6-in. 5-ton. Ten Machine, two light.
 Torpedoes, two Launching Carriages.
- CURACOA**, P.D.P., $1\frac{1}{2}$ in. (Steel, Copper Sheathed). One Screw.
 Length, 225 ft. Breadth, 44 ft. 6 in. Draught, 19 ft. 3 in.
 Displacement, 2,380 tons. Indicated H.P., 2,000. Launched, 1878.
 Where built, Glasgow. Engines, Humphrys. Speed, 13 knots.
 Cost, £113,000 (about).
 Armament, four 6-in. Eight 5-in. One 3-pounder, Q.F. Nine Machine, two light.
 Torpedoes, two Launching Carriages.
- COSSACK** (Steel). Twin Screw.
 Length, 225 ft. Breadth, 36 ft. Draught, 14 ft. 3 in.
 Displacement, 1,770 tons. Indicated H.P., 3,500. Speed, $16\frac{1}{2}$ knots. Coal, 330 tons.
 Where built, Glasgow. Engines, Thomson. Launched, 1886.
 Cost, £87,500 (about).
 Armament, six 6-in. Eight 3-pounders, Q.F. Two Machine, one light.
 Torpedoes, one fixed tube, two Launching Carriages.

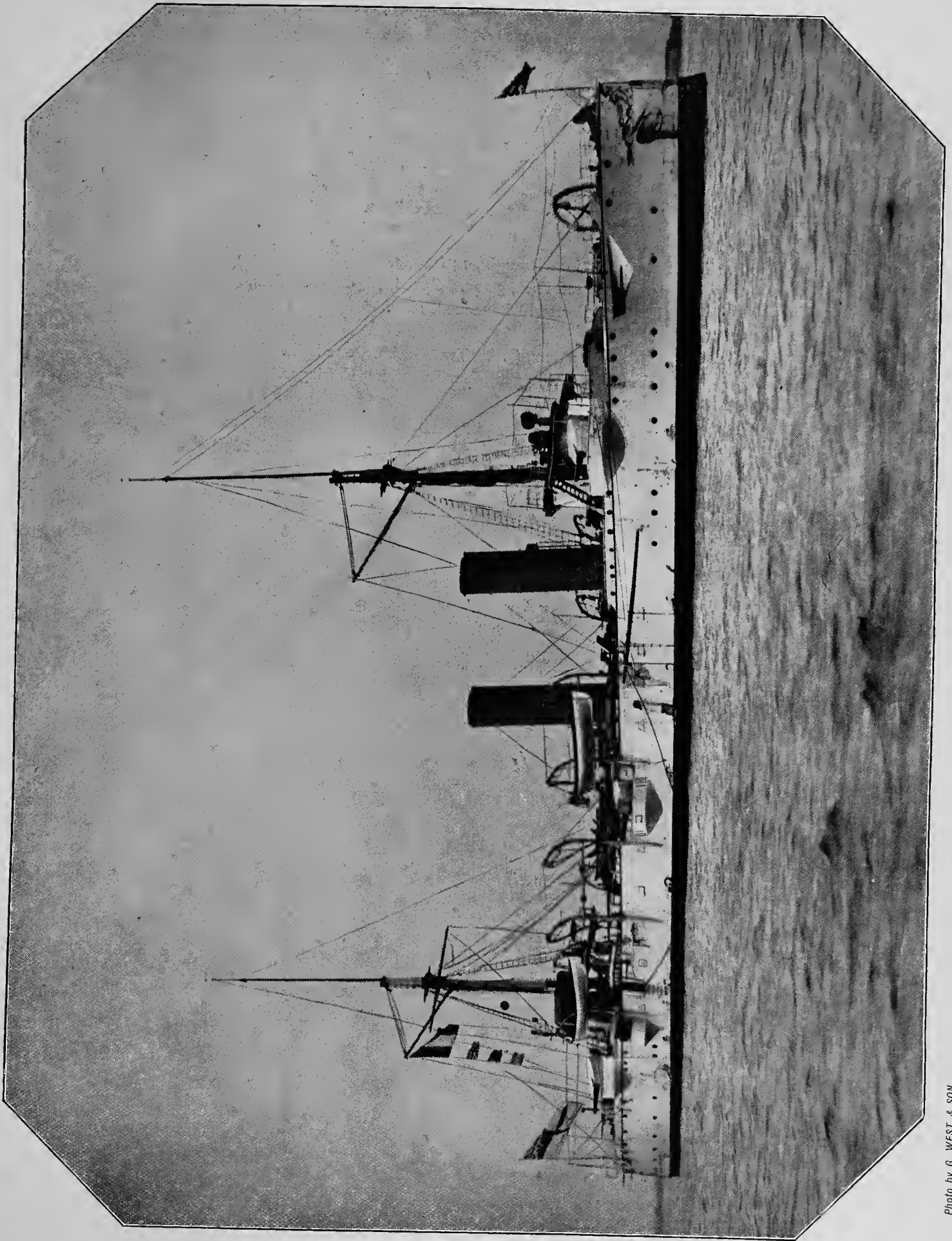


Photo by G. WEST & SON,
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H.M.S. "MAGICIENNE." (See p. 65.)

THIRD-CLASS CRUISERS—*continued.***EMERALD** (Composite). One Screw.

Length, 220 ft. Breadth, 40 ft. Draught, 19 ft.
 Displacement, 2,120 tons. Indicated H.P., 1,800. Speed, 12 knots. Coal, 250 tons.
 Where built, Pembroke. Engines, Thomson. Launched, 1876.
 Cost, £98,450 (about).
 Armament, four 6-in. Eight 5-in. Seven Machine, two light.

FEARLESS (Steel). Twin Screw.

Length, 220 ft. Breadth, 34 ft. 3 in. Draught, 14 ft. 6 in.
 Displacement, 1,580 tons. Indicated H.P., 3,200. Speed, 16½ knots. Coal, 450 tons.
 Where built, Barrow. Engines, Barrow. Launched, 1886.
 Cost, £87,500 (about).
 Armament, four 5-in. Eight 3-pounders, Q.F. Two Machine, one light.
 Torpedoes, three fixed tubes (one submerged), four Launching Carriages.

GARNET (Composite). One Screw.

Length, 220 ft. Breadth, 40 ft. Draught, 19 ft. 7 in.
 Displacement, 2,120 tons. Indicated H.P., 1,800. Speed, 12 knots. Coal, 260 tons.
 Where built, Chatham. Engines, Hawthorn. Launched, 1877.
 Cost, £92,450 (about).
 Armament, fourteen 5-in. 40-cwt. Seven Machine, two light.

HEROINE, P.D.P., 1¼ in. (Composite). One Screw.

Length, 200 ft. Breadth, 38 ft. Draught, 15 ft. 9 in.
 Displacement, 1,420 tons. Indicated H.P., 950. Speed, 11¼ knots. Coal, 400 tons.
 Where built, Devonport. Engines, Humphrys. Launched, 1881.
 Cost, £67,000 (about).
 Armament, eight 6-in. Four machine, one light.

HYACINTH (same as *Heroine*).**KATOOMBA**, D.P.T., 2 and 1 in. (Steel). One Screw.

Specially built for Australia.

Length, 265 ft. Breadth, 41 ft. Draught, 15 ft. 6 in.
 Displacement, 2,575 tons. Indicated H.P., 7,500. Speed, 19 knots. Coal, 300 tons.
 Where built, Elswick. Engines, Hawthorn. Launched, 1889.
 Cost, £116,719 (about).
 Armament, eight 4·7-in., Q.F. Eight 3-pounders, Q.F. Four Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

MAGICIENNE, D.P.T., 1½ in. (Steel, Copper Sheathed). Twin Screw.

Length, 265 ft. Breadth, 42 ft. Draught, 17 ft. 6 in.
 Displacement, 2,950 tons. Indicated H.P., 9,000. Speed, 19 knots. Coal, 400 tons.
 Where built, Glasgow. Engines, Hawthorn. Launched, 1888.
 Cost, £136,000 (about).
 Armament, six 6-in. Nine 6-pounders, Q.F. One 3-pounder, Q.F. Three Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

MARATHON, D.P.T., 1½ in. (Steel, Copper Sheathed). Twin Screw.

Length, 265 ft. Breadth, 42 ft. Draught, 17 ft. 6 in.
 Displacement, 2,950 tons. Indicated H.P., 9,000. Speed, 19 knots. Coal, 400 tons.
 Where built, Glasgow. Engines, Hawthorn. Launched, 1888.
 Cost, £136,000 (about).
 Armament, six 6-in. Nine 6-pounders, Q.F. One 3-pounder, Q.F. Three Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

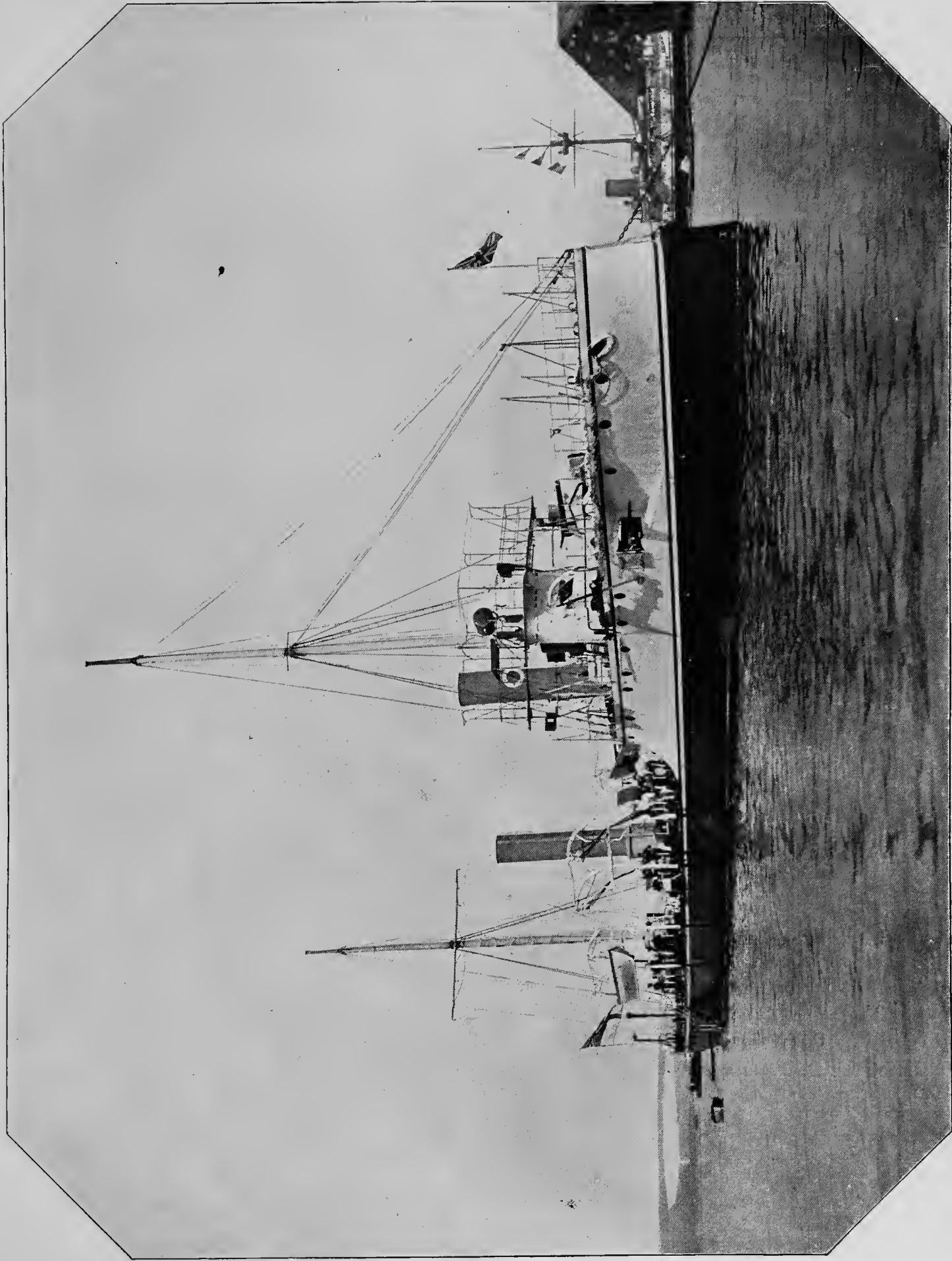


Photo by G. WEST & SON,
Southsea.

H.M.S. "KATOOMBA."

THIRD-CLASS CRUISERS—*continued.***MEDEA and MEDUSA**, D.P.T., 1½ in. (Steel). Twin Screws.

Length, 265 ft. Breadth, 41 ft. Draught, 16 ft. 6 in.

Displacement, 2,800 tons. Indicated H.P., 9,000. Speed, 19 knots. Coal, 400 tons.

Where built, Chatham. Engines, Humphrys. Launched, 1888.

Cost, £141,700 each (about).

Armament, six 6-in. Nine 6-pounders, Q.F. One 3-pounder, Q.F. Three Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

MELPOMENE, D.P.T., 1½ in. (Steel, Copper Sheathed). Twin Screw.

Length, 265 ft. Breadth, 41 ft. Draught, 17 ft. 6 in.

Displacement, 2,950 tons. Indicated H.P., 9,000. Speed, 19 knots. Coal, 400 tons.

Where built, Portsmouth. Engines, Palmer & Co. Launched, 1888.

Cost, £142,000 (about).

Armament, six 6-in. Nine 6-pounders, Q.F. One 3-pounder, Q.F. Three Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

MILDURA, *pecially built for Australia.*

Same as *Katoomba*.

Cost, £116,062 (about).

MOHAWK (Steel). Twin Screw.

Length, 225 ft. Breadth 36 ft. Draught, 14 ft. 6 in.

Displacement, 1,770 tons. Indicated H.P., 3,500. Speed, 16½ knots. Coal, 475 tons.

Where built, Glasgow. Engines, Thomson. Launched, 1886.

Cost, £87,590 (about).

Armament, six 6-in. Eight 3-pounders, Q.F. Two Machine, one light.

Torpedoes, one fixed tube, two Launching Carriages.

PALLAS, D.P.T., 2 in. and 1 in. (Steel). Twin Screw.

Length, 265 ft. Breadth, 41 ft. Draught, 15 ft. 6 in.

Displacement, 2,575 tons. Indicated H.P., 7,610. Speed, 19 knots. Coal, 300 tons.

Where built, Portsmouth. Engines, Hawthorn. Launched, 1890.

Cost, £148,830 (about).

Armament, eight 4.7-in., Q.F. Eight 3-pounders, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

PEARL, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 265 ft. Breadth, 41 ft. Draught, 15 ft. 6 in.

Displacement, 2,575 tons. Indicated H.P., 7,500. Speed, 19 knots. Coal, 300 tons.

Where built, Pembroke. Engines, Earle. Launched, 1890.

Cost, £151,690 (about).

Armament, eight 4.7-in., Q.F. Eight 3-pounders, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

PELORUS, *Building at Sheerness.***PHILOMEL**, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 265 ft. Breadth, 41 ft. Draught, 15 ft. 6 in.

Displacement, 2,575 tons. Indicated H.P., 7,500. Speed, 19 knots. Coal, 300 tons.

Where built, Devonport. Engines, Earle. Launched, 1890.

Cost, £156,102 (about).

Armament, eight 4.7-in., Q.F. Eight 3-pounders, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

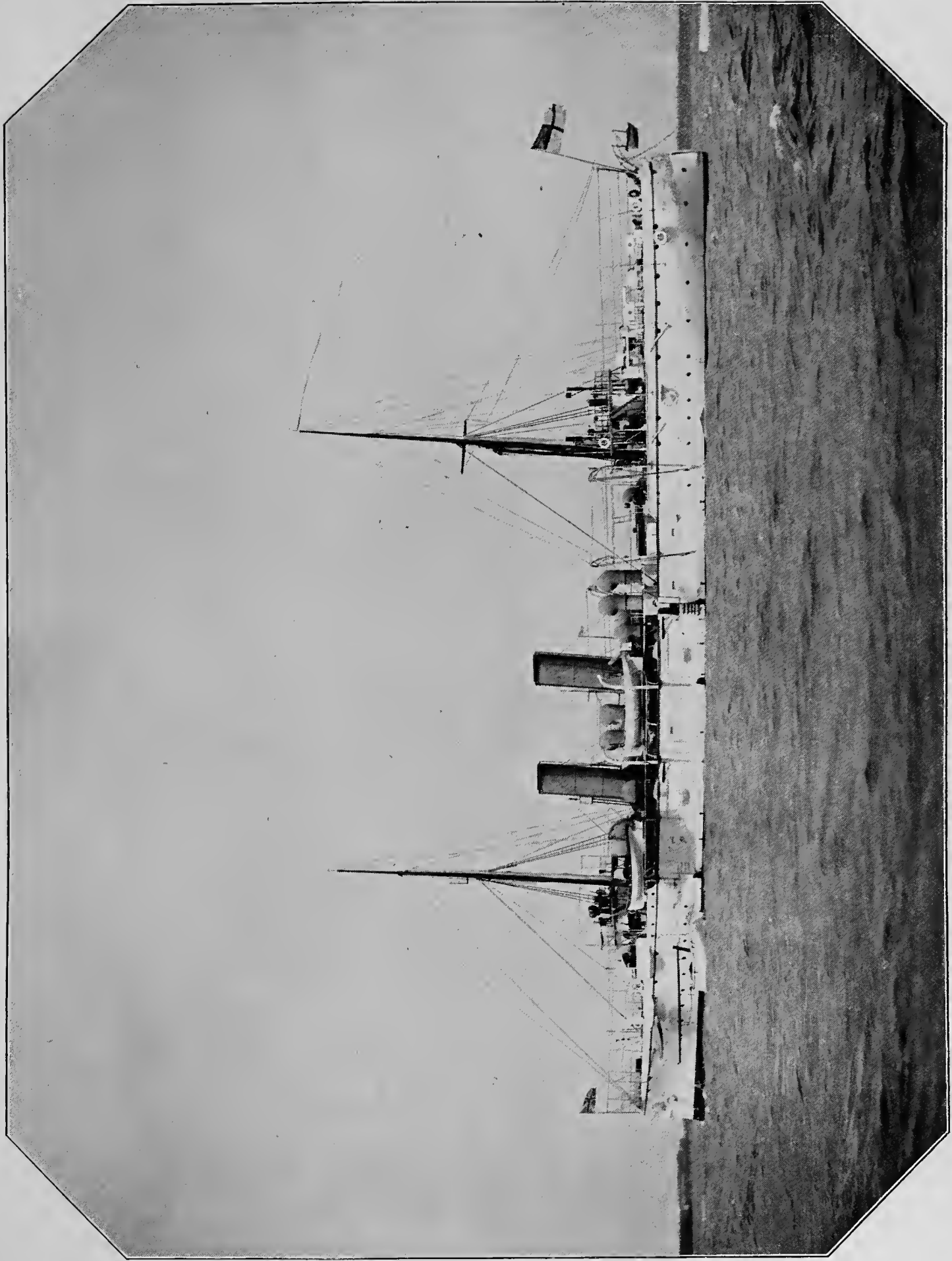


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H.M.S. "PALLAS."

THIRD-CLASS CRUISERS—*continued.***PHŒBE**, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Length, 265 ft. Breadth, 41 ft. Draught, 15 ft. 6 in.

Displacement, 2,575 tons. Indicated H.P., 7,500. Speed, 19 knots. Coal, 300 tons.

Where built, Devonport. Engines, Devonport. Launched, 1890.

Cost, £161,154 (about).

Armament, eight 4.7-in. Q.F. Eight 3-pounders, Q.F. Four Machine, one light.

Torpedoes, two fixed tubes, two Launching Carriages.

PORPOISE (Steel). Twin Screw.

Length, 225 ft. Breadth, 36 ft. Draught, 14 ft. 6 in.

Displacement, 1,770 tons. Indicated H.P., 3,500. Speed, 16½ knots. Coal, 475 tons.

Where built, Glasgow. Engines, Thomson. Launched, 1886.

Cost, £87,684 (about).

Armament, six 6-in. Eight 3-pounders, Q.F. Two Machine, one light.

Torpedoes, one fixed tube, two Launching Carriages.

PROSERPINE, *Building at Sheerness.***PYLADES**, P.D.P., 1¼ in. (Composite). One Screw.

Length, 200 ft. Breadth, 38 ft. Draught, 15 ft. 9 in.

Displacement, 1,420 tons. Indicated H.P., 1,400. Speed, 12½ knots. Coal, 400 tons.

Where built, Sheerness. Engines, Laird. Launched, 1884.

Cost, £62,000 (about).

Armament, fourteen 5-in. Eight Machine, one light.

RACoon (Steel). Twin Screw.

Length, 225 ft. Breadth, 36 ft. Draught, 13 ft. 6 in.

Displacement, 1,770 tons. Indicated H.P., 4,500. Speed, 17½ knots. Coal, 475 tons.

Where built, Devonport. Engines, Harland. Launched, 1887.

Cost, £91,600 (about).

Armament, six 6-in. Eight 3-pounders, Q.F. Two Machine, one light.

Torpedoes, one fixed tube, two Launching Carriages.

RAPID, P.D.P., 1¼ in. (Composite). One Screw.

Length, 200 ft. Breadth, 38 ft. Draught, 15 ft. 9 in.

Displacement, 1,420 tons. Indicated H.P., 1,400. Speed, 12½ knots. Coal, 400 tons.

Where built, Devonport. Engines, Maudslay. Launched, 1883.

Cost, £68,228 (about).

Armament, two 6-in. Ten 5 in. Four Machine, one light.

RANGAROOMA, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Specially built for Australia.

Where built, Glasgow. Engines, Thomson. Launched, 1890.

Cost, £128,076 (about).

Otherwise same as *Katoomba*.

ROYALIST, P.D.P., 1¼ in. (Composite). One Screw.

Length, 200 ft. Breadth, 38 ft. Draught, 15 ft. 9 in.

Displacement, 1,420 tons. Indicated H.P., 1,400. Speed, 12½ knots. Coal, 400 tons.

Where built, Devonport. Engines, Maudslay. Launched, 1883.

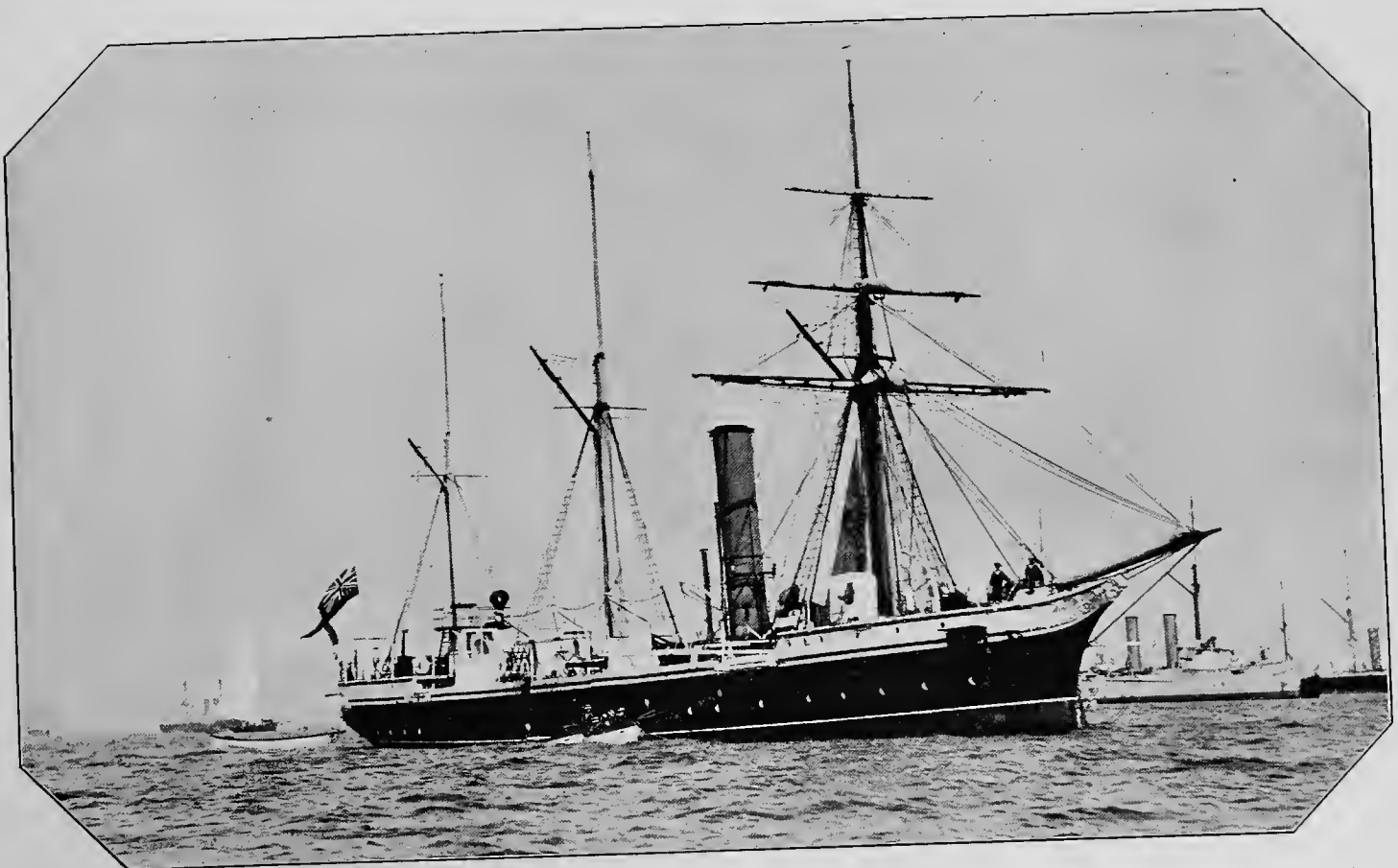
Cost, £68,174 (about).

Armament, two 6-in. Ten 5-in. Four Machine, one light.



H.M.S. "HEARTY." (See p. 96.)

Photo by G. WEST & SON,
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H.M.S. "NYMPHE." (See p. 100.)

Photo by G. WEST & SON,
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THIRD-CLASS CRUISERS—*continued.***RUBY** (Composite). One Screw.

Length, 220 ft. Breadth, 40 ft. Draught, 18 ft. 8 in.
 Displacement, 2,120 tons. Indicated H.P., 1,800. Speed, 12 knots. Coal, 260 tons.
 Where built, Hull. Engines, Earle. Launched, 1876. Cost, £93,115 (about).
 Armament, twelve 64-pounders, M.L.R. Six Machine, one light.

SATELLITE, P.D.P., 1¼ in. (Composite). One Screw.

Length, 200 ft. Breadth, 38 ft. Draught, 15 ft. 9 in.
 Displacement, 1,420 tons. Indicated H.P., 1,400. Speed, 12½ knots. Coal, 400 tons.
 Where built, Sheerness. Engines, Humphrys. Launched, 1881.
 Cost, £62,900 (about).
 Armament, two 6-in. Six 5-in. Four Machine, one light.

SCOUT (Steel). Twin Screw.

Length, 220 ft. Breadth, 34 ft. Draught, 14 ft. 6 in.
 Displacement, 1,580 tons. Indicated H.P., 3,200. Speed, 16½ knots. Coal, 450 tons.
 Where built, Glasgow. Engines, Thomson. Launched, 1885.
 Cost, £87,516 (about).
 Armament, four 5-in. Eight 3-pounders, Q.F. Two Machine, two light.
 Torpedoes, three fixed tubes (one submerged), four Launching Carriages.

TARTAR (Steel). Twin Screw.

Length, 225 ft. Breadth, 36 ft. Draught, 14 ft. 3 in.
 Displacement, 1,770 tons. Indicated H.P., 3,500. Speed, 16½ knots. Coal, 325 tons.
 Where built, Glasgow. Engines, Thomson. Launched, 1886.
 Cost, £87,585 (about).
 Armament, six 6-in. Eight 3-pounders, Q.F. Two Machine, one light.
 Torpedoes, one fixed tube, two Launching Carriages.

TAURANGA, D.P.T. 2 and 1 in. (Steel). Twin Screw.

Specially built for Australia.

Length, 265 ft. Breadth, 41 ft. Draught, 15 ft. 6 in.
 Displacement, 2,575 tons. Indicated H.P., 7,500. Speed, 19 knots. Coal, 300 tons.
 Where built, Glasgow. Engines, Thomson. Launched 1889.
 Cost, £128,101 (about).
 Armament, eight 4.7-in., Q.F. Eight 3-pounders, Q.F. Four Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.

TOURMALINE, (Composite). One Screw.

Length, 220 ft. Breadth, 40 ft. Draught, 18 ft. 8 in.
 Displacement, 2,120 tons. Indicated H.P., 1,820. Speed, 12 knots. Coal, 280 tons.
 Where built, Middlesbrough. Engines, Hawthorn. Launched, 1875.
 Cost, £95,000 (about).
 Armament, four 6-in. Eight 5-in. 38 cwt. Eight Machine, two light.

WALLAROO, D.P.T., 2 and 1 in. (Steel). Twin Screw.

Specially built for Australia.

Length, 265 ft. Breadth, 41 ft. Draught, 15 ft. 6 in.
 Displacement, 2,575 tons. Indicated H.P., 7,500. Speed, 19 knots. Coal, 300 tons.
 Where built, Elswick. Engines, Hawthorn. Launched, 1889.
 Cost, £115,995 (about).
 Armament, eight 4.7-in., Q.F. Eight 3-pounders, Q.F. Sixteen Machine, one light.
 Torpedoes, two fixed tubes, two Launching Carriages.



Photo by G. WEST & SON,
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H.M.S. "RUBY."



Photo by G. WEST & SON,
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H.M.S. "SPEY." (See p. 97.)

FIRST-CLASS GUNBOATS.**BRAMBLE** (Composite). Twin Screw.

Length, 165 ft. Breadth, 29 ft. Draught, 11 ft.
 Displacement, 715 tons. Indicated H.P., 600 N.D., 1,000 F.D. Speed, 13 knots. Coal, 105 tons.
 Where built, Belfast. Engines, Harland. Launched, 1886.
 Armament, six 4-in., 25 cwt. Four Machine.
 Cost, £49,835 (about).

CURLEW (Steel). Twin Screw.

Length, 195 ft. Breadth, 28 ft. Draught, 10 ft. 6 in.
 Displacement, 950 tons. Indicated H.P., 850 N.D., 1,200 F.D. Speed, 14½ knots. Coal, 250 tons.
 Where built, Devonport. Engines, Penn. Launched, 1885.
 Cost, £49,963 (about).
 Armament, one 6-in. Three 5-in. Seven Machine.
 Torpedoes, one B. tube, two Launching Carriages.

DRYAD (Steel). Twin Screw.

Length, 250 ft. Breadth, 30 ft. 6 in. Draught, 9 ft.
 Displacement, 1,070 tons. Indicated H.P., 2,500 N.D., 3,500 F.D. Speed, 19 knots. Coal, 100 tons.
 Where built, Chatham. Engines, Maudslay. Launched, 1893.
 Cost, £73,490 (about).
 Armament, two 4·7-in., Q.F. Four 6-pounders, Q.F.
 Torpedoes, three fixed tubes or Launching Carriages.

GOLDFINCH (Composite). One Screw.

Length, 165 ft. Breadth, 31 ft. Draught, 11 ft. 7 in.
 Displacement, 805 tons. Indicated H.P., 720 N.D., 1,200 F.D. Speed, 13 knots. Coal, 105 tons.
 Where built, Sheerness. Engines, Sheerness. Launched, 1889.
 Armament, six 4-in. Two 3-pounders, Q.F. Two Machine.
 Cost, £40,889 (about).

GRASSHOPPER (Steel). Twin Screw.

Length, 200 ft. Breadth, 23 ft. Draught, 8 ft. 9 in.
 Displacement, 525 tons. Indicated H.P., 1,600 N.D., 2,700 F.D. Speed, 19 knots. Coal, 80 tons.
 Where built, Sheerness. Engines, Maudslay. Launched, 1887.
 Cost, £34,065 (about).
 Armament, one 4-in. Six 3-pounders, Q.F.
 Torpedoes, two fixed tubes, two Launching Carriages.

HALCYON (Steel). Twin Screw.

Length, 250 ft. Breadth, 30 ft. 6 in. Draught, 9 ft.
 Displacement, 1,070 tons. Indicated H.P., 2,500 N.D., 3,500 F.D. Speed, 19 knots. Coal, 100 tons.
 Where built, Devonport. Engines, Hawthorn.
 Cost, £75,726 (about).
 Armament, two 4·7-in., Q.F. Four 6-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

HARRIER (Steel). Twin Screw.

Length, 250 ft. Breadth, 30 ft. 6 in. Draught, 9 ft.
 Displacement, 1,070 tons. Indicated H.P., 2,500 N.D., 3,500 F.D. Speed, 19 knots. Coal, 100 tons.
 Where built, Devonport. Engines, Hawthorn.
 Cost, £75,533 (about).
 Armament, two 4·7-in., Q.F. Four 6-pounders.
 Torpedoes, five fixed tubes or Launching Carriages.

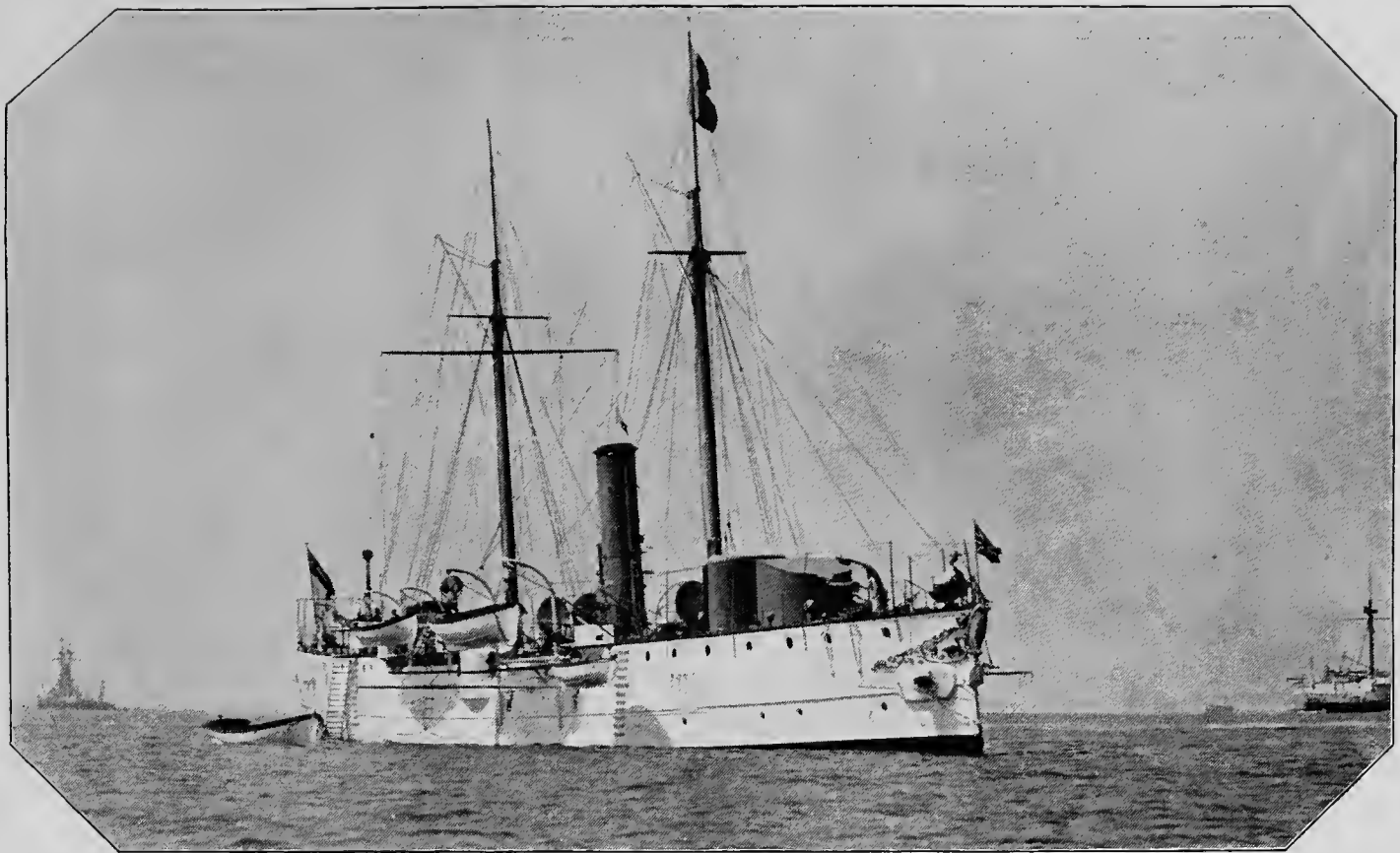


Photo by G. WEST & SON,
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H.M.S. "CURLEW."



Photo by G. WEST & SON,
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H.M.S. "PLOVER." (See p. 80.)

FIRST-CLASS GUNBOATS—*continued.***HAZARD** (Steel). Twin Screw.

Length, 250 ft. Breadth, 30 ft. 6 in. Draught, 9 ft.
 Displacement, 1,070 tons. Indicated H.P., 2,500 N.D., 3,500 F.D. Speed, 19 knots. Coal, 100 tons.
 Where built, Pembroke. Engines, Elder. Launched, 1894.
 Cost, £74,076 (about).
 Armament, two 4·7-in., Q.F. Four 6-pounders.
 Torpedoes, five fixed tubes or Launching Carriages.

HUSSAR (Steel). Twin Screw.

Length, 250 ft. Breadth, 30 ft. 6 in. Draught, 9 ft.
 Displacement, 1,070 tons. Indicated H.P., 2,500 N.D., 3,500 F.D. Speed, 19 knots. Coal, 100 tons.
 Where built, Devonport. Engines, Hawthorn. Launched, 1894.
 Cost, £75,608 (about).
 Armament, two 4·7-in., Q.F. Four 6-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

JASON (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 3,540 F.D. Speed, 19½ knots. Coal, 100 tons.
 Where built, Barrow. Engines, Barrow. Launched, 1892.
 Cost, £49,253 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

LANDRAIL, Gun Vessel (Steel). Twin Screw.

Length, 195 ft. Breadth, 28 ft. Draught, 10 ft. 6 in.
 Displacement, 950 tons. Indicated H.P., 850 N.D., 1,200 F.D. Speed, 14½ knots. Coal, 250 tons.
 Where built, Devonport. Engines, Penn. Launched, 1886.
 Cost, £49,963 (about).
 Armament, one 6-in. Three 5-in. Four 3-pounders, Q.F. Three Machine.
 Torpedoes, one B. tube, two Launching Carriages.

LAPWING (Composite). One Screw.

Length, 165 ft. Breadth, 31 ft. Draught, 11 ft. 7 in.
 Displacement, 805 tons. Indicated H.P., 720 N.D., 1,200 F.D. Speed, 13 knots. Coal, 105 tons.
 Where built, Devonport. Engines, Devonport. Launched, 1889.
 Cost, £39,950 (about).
 Armament, six 4-in., 25 cwt. Two 3-pounders, Q.F. Two Machine.

LIZARD (Composite). One Screw.

Length, 165 ft. Breadth, 29 ft. Draught, 11 ft. 10 in.
 Displacement, 715 tons. Indicated H.P., 600 N.D., 1,000 F.D. Speed, 13 knots. Coal, 105 tons.
 Where built, Belfast. Engines, Harland. Launched, 1886.
 Cost, £52,770 (about).
 Armament, six 4-in. Four Machine.

MAGPIE (Composite). One Screw.

Length, 165 ft. Breadth, 31 ft. Draught, 11 ft. 7 in.
 Displacement, 805 tons. Indicated H.P., 720 N.D., 1,200 F.D. Speed, 13 knots. Coal, 105 tons.
 Where built, Pembroke. Engines, Earle. Launched, 1889.
 Cost, £38,700 (about).
 Armament, six 4-in. Four Machine.

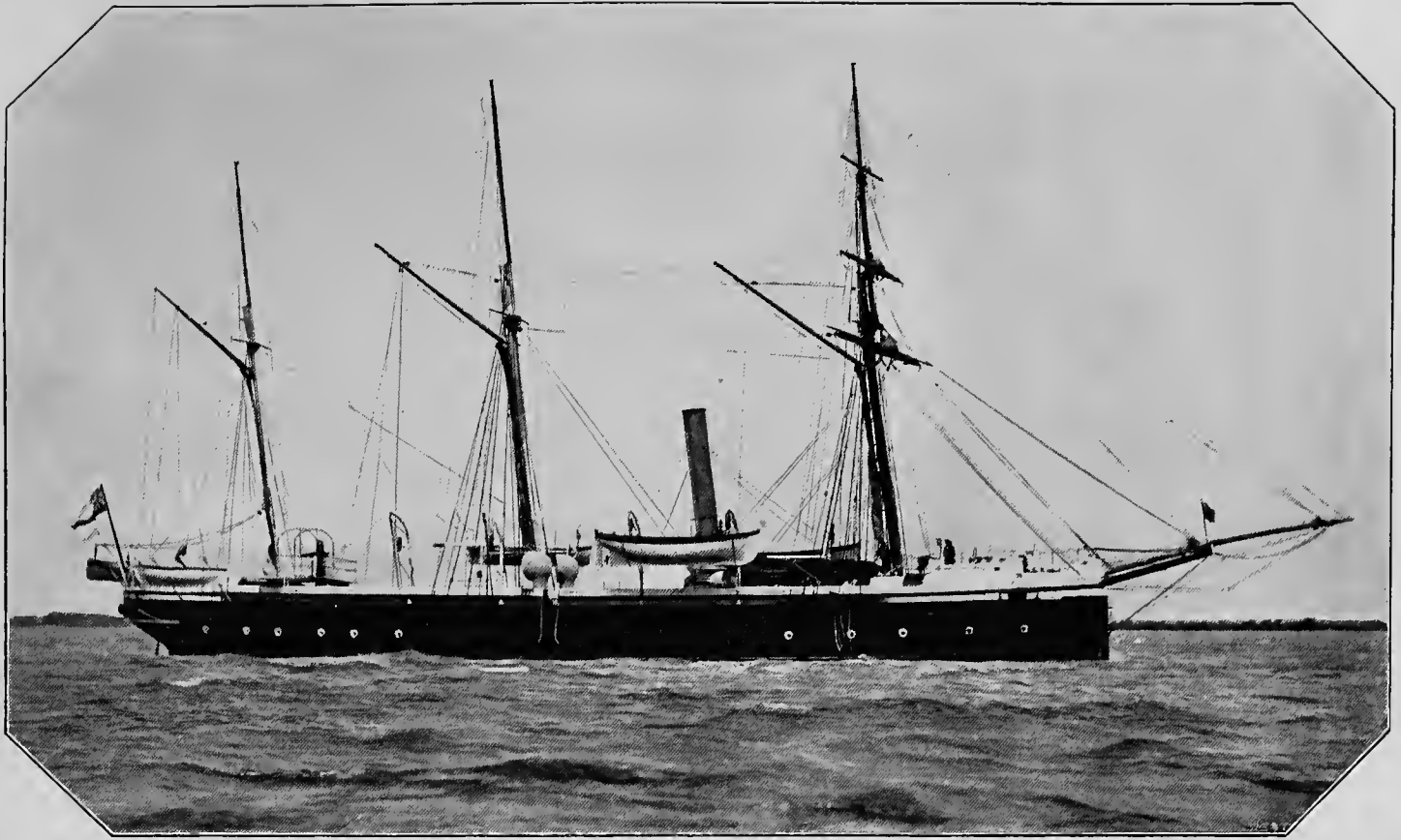


Photo by G. WEST & SON,
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H.M.S. "WATCHFUL." (See p. 94)



Photo by G. WEST & SON,
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H.M.S. "VICTORIA."

FIRST-CLASS GUNBOATS—*continued.***NIGER** (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 3,784 F.D. Speed, $19\frac{1}{4}$ knots. Coal, 100 tons.
 Where built, Barrow. Engines, Barrow. Launched, 1892.
 Cost, £48,177 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

PARTRIDGE (Composite). One Screw.

Length, 165 ft. Breadth, 30 ft. Draught, 11 ft. 4 in.
 Displacement, 755 tons. Indicated H.P., 720 N.D., 1,200 F.D. Speed, $13\frac{1}{2}$ knots. Coal, 105 tons.
 Where built, Devonport. Engines, Devonport. Launched, 1888.
 Cost, £37,800 (about).
 Armament, six 4-in. 25-cwt. Four Machine.

PEACOCK (Composite). One Screw.

Length, 165 ft. Breadth, 30 ft. Draught, 11 ft. 4 in.
 Displacement, 755 tons. Indicated H.P., 720 N.D., 1,200 F.D. Speed, $13\frac{1}{2}$ knots. Coal, 105 tons.
 Where built, Pembroke. Engines, Barrow Co. Launched, 1888.
 Cost, £37,600 (about).
 Armament, six 4-in. 25-cwt. Four Machine.

PHEASANT (Composite). One Screw.

Length, 165 ft. Breadth, 29 ft. Draught, 11 ft. 4 in.
 Displacement, 755 tons. Indicated H.P., 720 N.D., 1,200 F.D. Speed, $13\frac{1}{2}$ knots. Coal, 105 tons.
 Where built, Devonport. Engines, Devonport. Launched, 1888.
 Cost, £37,800 (about).
 Armament, six 4-in. 25-cwt. Four Machine.

PIGEON (Composite). One Screw.

Same as *Pheasant*.
 Where built, Pembroke. Engines, Barrow. Launched, 1888.

PIGMY (Composite). One Screw.

Same as *Pigeon*.
 Where built, Sheerness. Engines, Barrow.
 Cost, £37,700 (about).

PLOVER (Composite). One Screw.

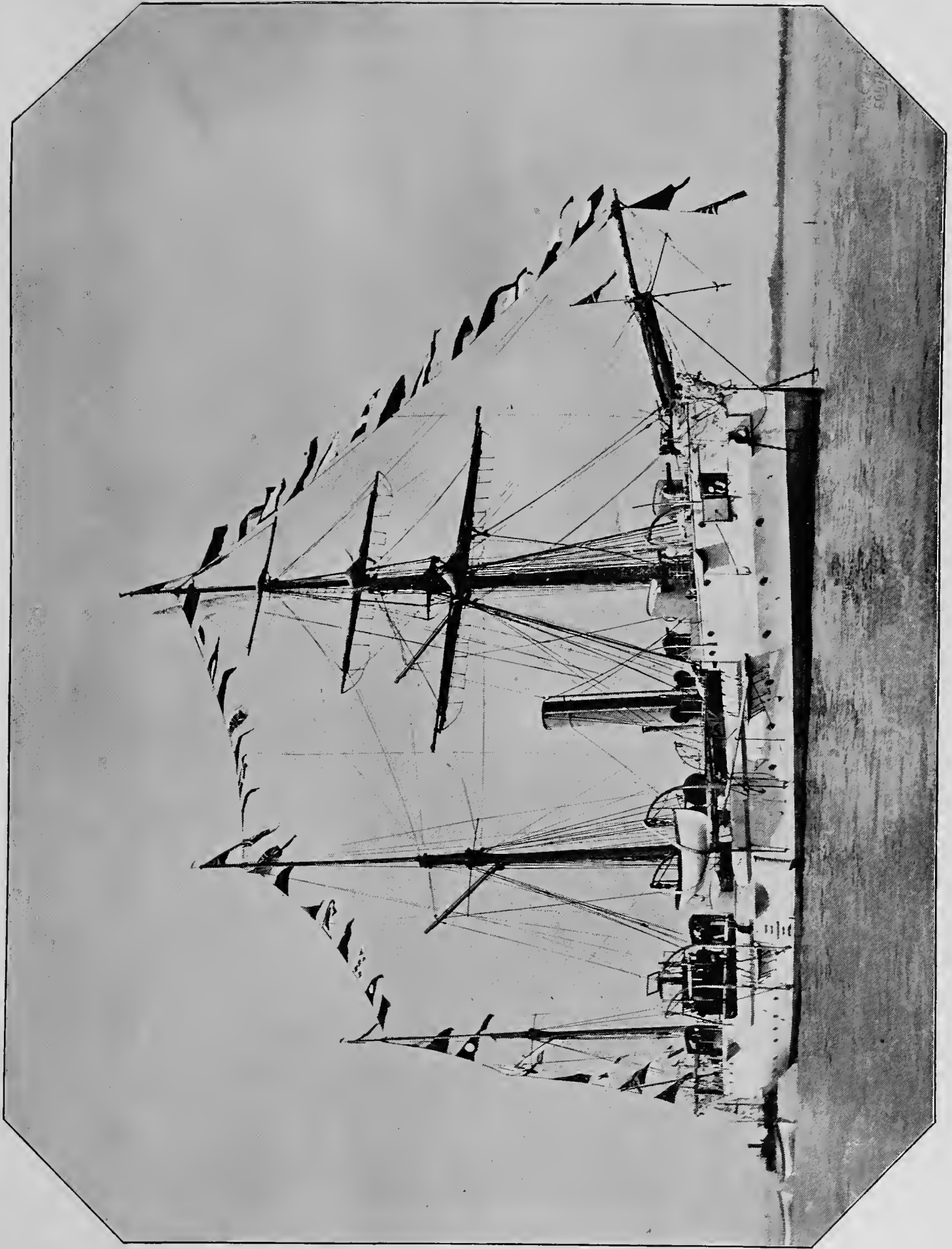
Same as *Pigmy*.
 Where built, Pembroke. Engines, Barrow.

RATTLER (Composite). One Screw.

Length, 165 ft. Breadth, 29 ft. Draught, 11 ft.
 Displacement, 715 tons. Indicated H.P., 600 N.D., 1,200 F.D. Speed, $13\frac{1}{2}$ knots. Coal 105 tons.
 Where built, Elswick. Engines, Hawthorn. Launched, 1886.
 Cost, £38,734 (about).
 Armament, six 4-in. Four Machine.

RATTLESNAKE (Steel). Twin Screw.

Length, 200 ft. Breadth, 23 ft. Draught, 8 ft.
 Displacement, 550 tons. Indicated H.P., 1,600 N.D., 2,700 F.D. Speed, $18\frac{1}{2}$ knots. Coal, 100 tons.
 Where built, Birkenhead. Engines, Laird. Launched, 1886.
 Cost, £35,425 (about).
 Armament, one 4-in. Six 3-pounders, Q.F.
 Torpedoes two fixed tubes, two Launching Carriages.



H.M.S. "PIGMY." (See p. 80.)

Photo by G. WEST & SON,
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FIRST-CLASS GUNBOATS—*continued.***REDBREAST** (Composite). One Screw.

Length, 165 ft. Breadth, 31 ft. Draught, 11 ft. 7 in.

Displacement, 805 tons. Indicated H.P., 720 N.D., 1,200 F.D. Speed, 13 knots. Coal, 105 tons.

Where built, Pembroke. Engines, Earle. Launched, 1888.

Cost, £38,700 (about).

Armament, six 4-in. Four Machine.

REDPOLE (Composite). One Screw.

Same as *Redbreast*.

RINGDOVE (Composite). One Screw.

Same as *Redbreast*.

Where built, Devonport. Engines, Devonport. Launched, 1889.

Cost, £39,753 (about).

Armament, six 4-pounders. Two 3-pounders, Q.F. Two Machine.

SANDFLY (Steel). Twin Screw.

Length, 200 ft. Breadth, 23 ft. Draught, 8 ft. 9 in.

Displacement, 525 tons. Indicated H.P., 1,600 N.D., 2,700 F.D. Speed, 19 knots. Coal, 80 tons.

Where built, Devonport. Engines, Maudslay. Launched, 1887.

Cost, £36,167 (about).

Armament, one 4-in. Six 3-pounders, Q.F.

Torpedoes, two fixed tubes, two Launching Carriages.

SPARROW (Composite). One Screw.

Same as *Redbreast*.

Where built, Greenock. Engines, Greenock. Launched, 1889.

Cost, £39,000 (about).

SPIDER (Steel). Twin Screw.

Length, 200 ft. Breadth, 23 ft. Draught, 8 ft. 9 in.

Displacement, 525 tons. Indicated H.P., 3,000 F.D. Speed, 19 knots. Coal, 80 tons.

Where built, Devonport. Engines, Maudslay. Launched, 1887.

Cost, £36,300 (about).

Armament, one 4-in. Six 3-pounders, Q.F.

Torpedoes, two fixed tubes, two Launching Carriages.

THRUSH (Composite). One Screw.

Same as *Sparrow*.

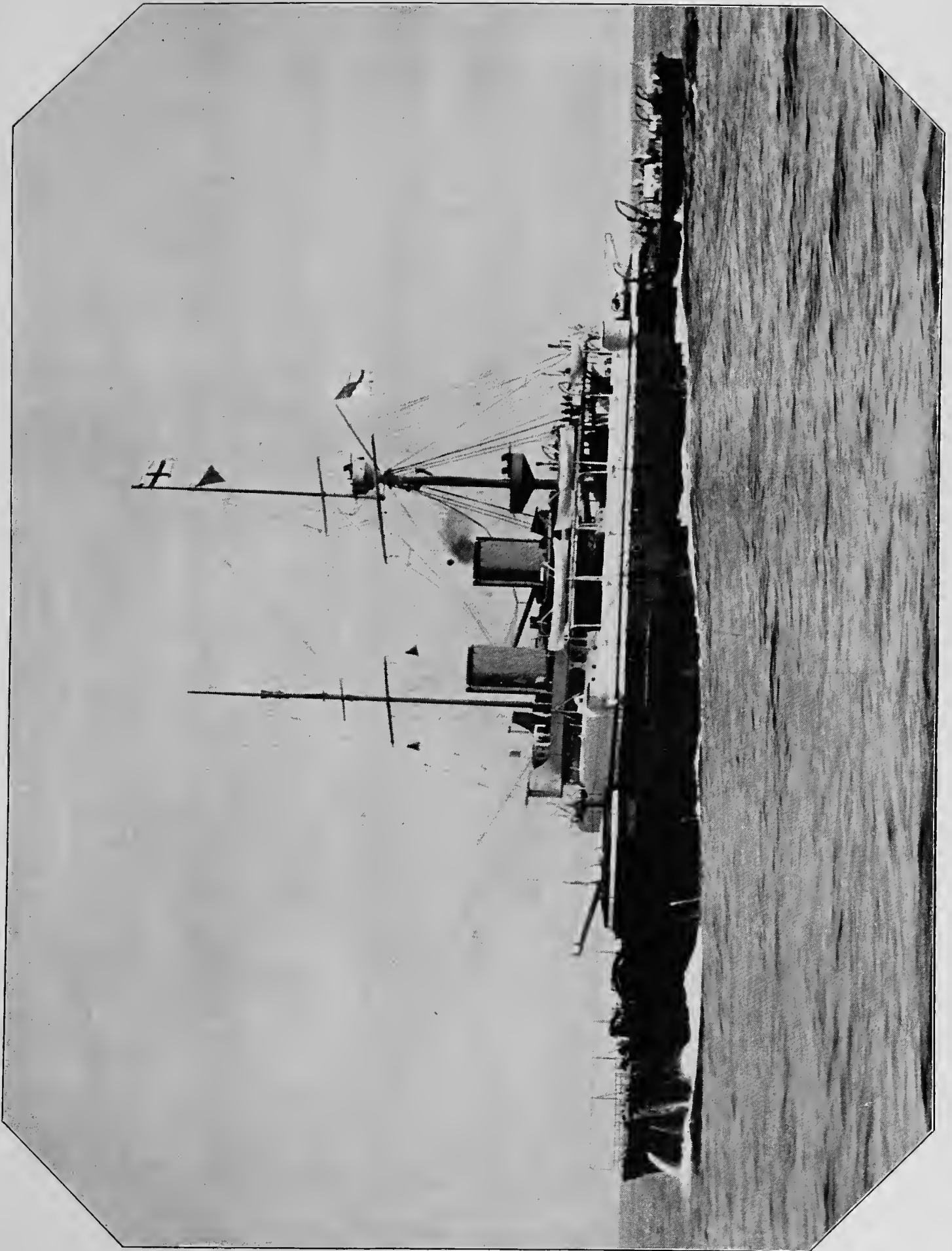
WIDGEON (Composite). Twin Screw.

Same as *Redbreast*.

Cost, £39,315 (about).

Where built, Pembroke. Engines, Rennie. Launched, 1889.

Armament, six 4-in., 25 cwt. Two 3-pounders, Q.F. Two Machine.



H.M.S. "CAMPERDOWN." (See p. 2.)

Photo by G. WEST & SON,
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FIRST-CLASS TORPEDO GUNBOATS.**ALARM** (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 2,500 N.D., 3,500 F.D. Speed, $19\frac{1}{4}$ knots. Coal, 100 tons.
 Where built, Sheerness. Engines, Penn. Launched, 1892.
 Cost, £59,346 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

ANTELOPE (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 2,500 N.D., 3,621 F.D. Speed, $19\frac{1}{4}$ knots. Coal, 100 tons.
 Where built, Devonport. Engines, Yarrow. Launched, 1893.
 Cost, £61,397 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

ASSAYE (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 735 tons. Indicated H.P., 2,500 N.D. 3,500 F.D. Speed, 20 knots.
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

BOOMERANG (Steel). Twin Screw.

Special for Australia.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 735 tons. Indicated H.P., 2,500 N.D., 3,500 F.D. Speed, 20 knots. Coal, 100 tons.
 Where built, Elswick. Engines, Bellis. Launched, 1889.
 Cost, £49,962 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F. One Machine.
 Torpedoes, one fixed tube, two Launching Carriages.

CIRCE (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 2,500 N.D., 3,500 F.D. Speed, $19\frac{1}{2}$ knots. Coal, 100 tons.
 Where built, Sheerness. Engines, Penn. Launched, 1892.
 Cost, £61,979 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

GLEANER (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 735 tons. Indicated H.P., 2,500 N.D., 3,632 F.D. Speed, 20 knots. Coal, 100 tons.
 Where built, Sheerness. Engines, Sheerness. Launched, 1890.
 Cost, £63,798 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.



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H.M.S. "SEAGULL." (See p. 88.)

FIRST-CLASS TORPEDO GUNBOATS—*continued.***GOSSAMER** (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 735 tons. Indicated H.P., 2,500 N.D., 3,600 F.D. Speed, $19\frac{3}{4}$ knots. Coal, 100 tons.
 Where built, Sheerness. Engines, Sheerness. Launched, 1890.
 Cost, £54,490 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

HEBE (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 2,500 N.D., 3,566 F.D. Speed, $19\frac{1}{4}$ knots. Coal, 100 tons.
 Where built, Sheerness. Engines, Sheerness. Launched, 1892.
 Cost, £73,433 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

JASEUR (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 3,711 F.D. Speed, $19\frac{1}{4}$ knots. Coal, 100 tons.
 Where built, Barrow. Engines, Barrow. Launched, 1892.
 Cost, £48,238 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

KARRAKATTA (Steel). Twin Screw.

Special for Australia.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 735 tons. Indicated H.P., 2,500 N.D., 3,500 F.D. Speed, 20 knots. Coal, 100 tons.
 Where built, Elswick. Engines, Bellis. Launched, 1890.
 Cost, £47,649 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, three fixed tubes or Launching Carriages.

LEDA (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 9 ft. 3 in.
 Displacement, 810 tons. Indicated H.P., 3,597. Speed, $19\frac{1}{4}$ knots. Coal, 100 tons.
 Where built, Sheerness. Engines, Penn. Launched, 1892.
 Cost, £64,145 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

ONYX (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 3,548 N.D. Speed, $19\frac{1}{4}$ knots. Coal, 100 tons.
 Where built, Birkenhead. Engines, Laird. Launched, 1892.
 Cost, £53,960 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.



Photo by G. WEST & SON,
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H.M.S. "TRAFALGAR." (See p. 16.)



Photo by G. WEST & SON,
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H.M.S. "RUPERT." (See p. 20.)

FIRST-CLASS TORPEDO GUNBOATS—*continued.***PLASSY** (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 735 tons. Indicated H.P., 2,500 N.D. 3,500 F.D. Speed, 20 knots.
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

RENARD (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 3,962 N.D. Speed, 19½ knots. Coal, 100 tons.
 Where built, Birkenhead, Engines, Laird. Launched, 1892.
 Cost, £53,848 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

SALAMANDER (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 735 tons. Indicated H.P., 2,500 N.D. 3,500 F.D.
 Speed, 20 knots. Coal, 100 tons.
 Cost, £57,911. Launched, 1889.
 Where built, Chatham. Engines, Maudslay.
 Armament, two 4·7 in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages

SEAGULL (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 735 tons. Indicated H.P., 2,500 N.D. 3,500 F.D.
 Speed, 20 knots. Coal, 100 tons.
 Cost, £56,922. Launched, 1889.
 Where built, Chatham. Engines, Maudslay.
 Armament, two 4·7 in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

SHARPSHOOTER (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 735 tons. Indicated H.P., 2,500, N.D. 3,500 F.D.
 Speed, 20 knots. Coal, 100 tons.
 Cost, £50,029. Launched, 1888.
 Where built, Devonport. Engines, Bellis.
 Armament, two 4·7 in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

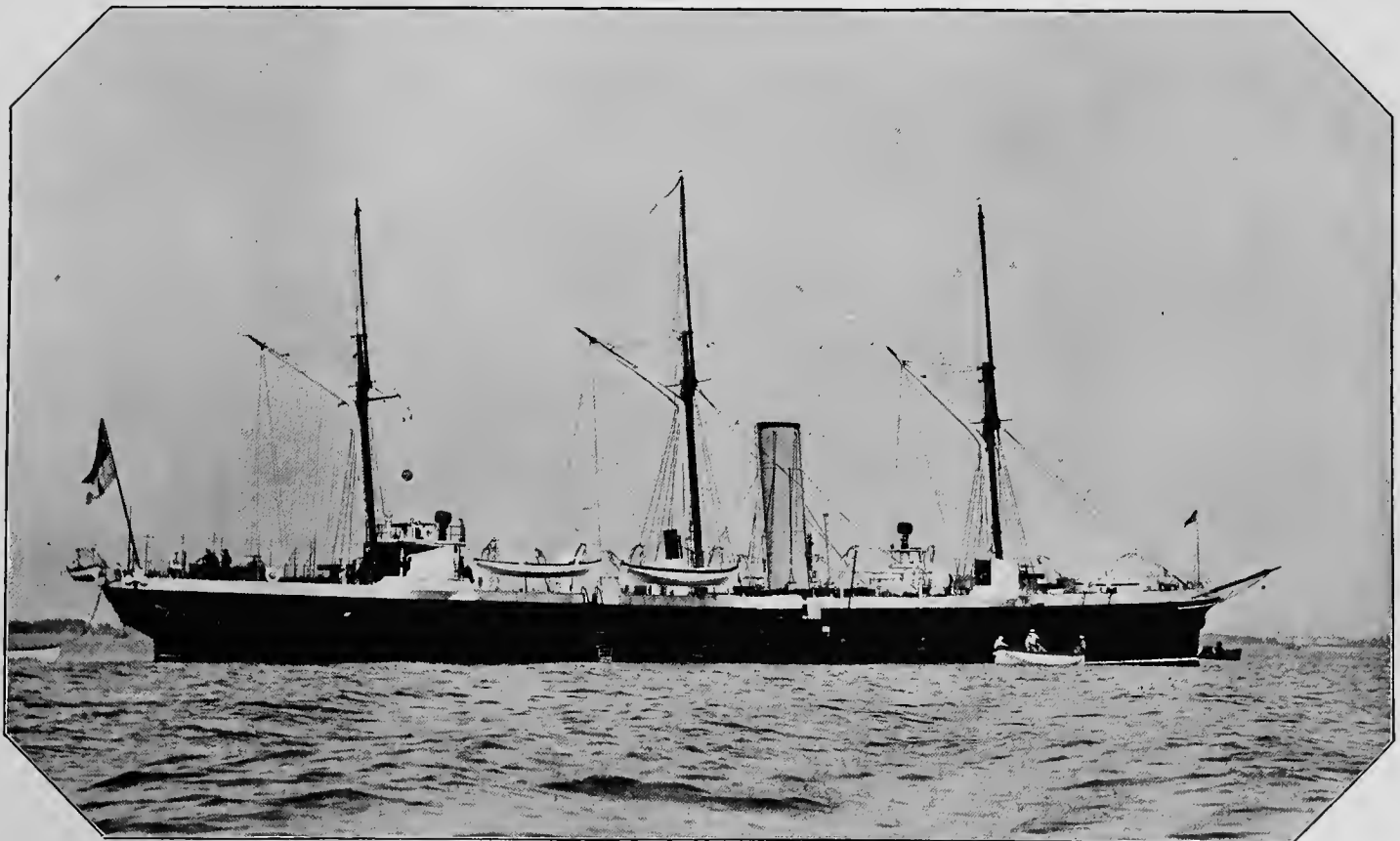
SHELDRAKE (Steel) Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 735 tons. Indicated H.P., 2,500 N.D. 3,500 F.D.
 Speed, 20 knots. Coal, 100 tons.
 Cost, £57,800. Launched, 1889.
 Where built, Chatham. Engines, Maudslay.
 Armament, two 4·7 in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.



*Photo by G. WEST & SON,
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H.M. TORPEDO BOAT No. 83.



*Photo by G. WEST & SON,
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H.M.S. "MOHAWK." (See p. 70.)

FIRST-CLASS TORPEDO GUNBOATS—continued.**SKIPJACK** (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 735 tons. Indicated H.P., 2,500, N.D. 3,500 F.D.
 Speed, 20 knots. Coal, 100 tons.
 Cost, £59,531. Launched, 1889.
 Where built, Chatham. Engines, Laird.
 Armament, two 4·7 in. Q.F. Four 3-pounder Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

SPANKER (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 725 tons. Indicated H.P., 2,500 N.D. 3,500 F.D.
 Speed, 20 knots. Coal, 100 tons.
 Cost, £50,000. Launched, 1889.
 Where built, Chatham. Engines, Maudslay.
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

SPEEDWELL (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 3 in.
 Displacement, 725 tons. Indicated H.P., 2,500 N.D. 3,500 F.D.
 Speed, 20 knots. Coal, 100 tons.
 Cost, £52,000. Launched, 1889.
 Where built, Chatham. Engines, Maudslay.
 Armament, two 4·7-in. Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

SPEEDY (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 8 ft. 9 in.
 Displacement, 810 tons. Indicated H.P., 2,500 N.D., 4,703 F.D. Speed, 20½ knots. Coal, 100 tons.
 Where built, Chiswick. Engines, Thornycroft. Launched, 1893.
 Cost, £58,927 (about).
 Armament, two 4·7-in., Q.F. Four 3-pounders, Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

TORPEDO DEPOT SHIPS.**HECLA** (Iron). One Screw. Torpedo Dépôt Ship.

Length, 391 ft. 7 in. Breadth, 38 ft. 9 in. Draught, 24 ft. 3 in.
 Displacement, 6,400 tons. Indicated H.P., 2,400 tons. Speed, 13 knots. Coal, 2,200 tons.
 Engines, Harland & Wolff. Launched, 1878.
 Cost, £126,190 (purchased).
 Armament, four 64-pounders, M.L.R. One 5-in. One 40-pounder. Fourteen Machine.
 Torpedoes, two fixed tubes, two Launching Carriages.

VULCAN, D.P.T., 5 and 2½ in. (Steel). Twin Screw.

Length, 350 ft. Breadth, 58 ft. Draught, 23 ft.
 Displacement, 6,620 tons. Indicated H.P., 12,032. Speed, 20 knots. Coal, 1,000 tons.
 Where built, Portsmouth. Engines, Humphrys. Launched, 1889.
 Cost, £370,447 (about).
 Armament, eight 4·7-in., Q.F. Twelve 3-in., Q.F. Sixteen Machine, one light.
 Torpedoes, two fixed tubes, four Launching Carriages.



Photo by G. WEST & SON,
Southsea.

H.M.S. "HAVOCK." (See p. 103.)

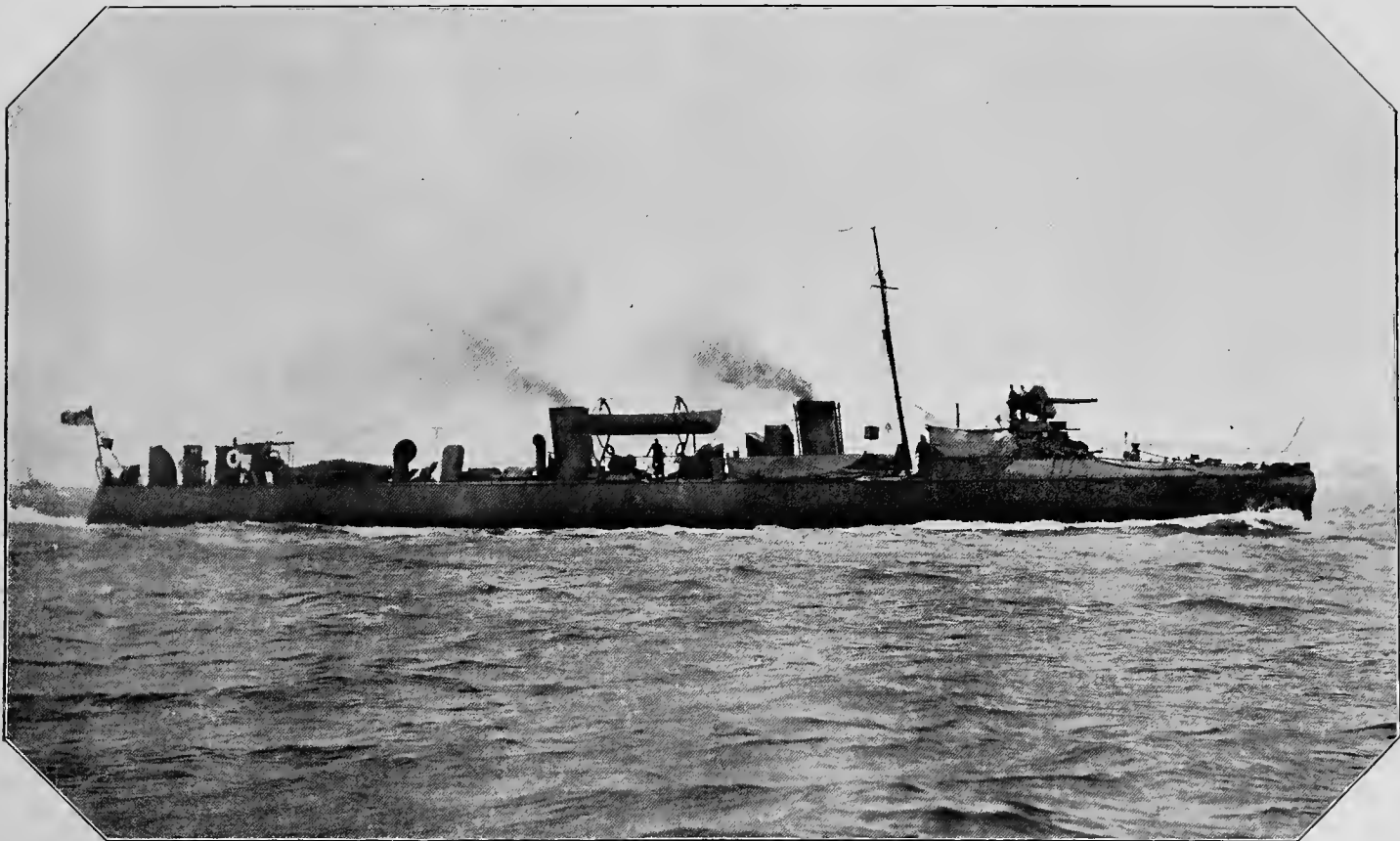


Photo by G. WEST & SON,
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H.M.S. "DARING." (See p. 102.)

TORPEDO VESSEL.**VESUVIUS** (Iron). Twin Screw.

Length, 90 ft. Breadth, 22 ft. Draught, 8 ft. 6 in.
 Displacement, 245 tons. Indicated H.P., 350. Speed, $9\frac{3}{4}$ knots. Coal, 25 tons.
 Where built, Pembroke. Engines, Maudslay. Launched, 1874.
 Cost, £17,987 (about).
 Torpedoes, four tubes.

TORPEDO RAM.**POLYPHEMUS**, D.P.T., 3 and 2 in. (Steel). Twin Screw.

Length, 240 ft. Breadth, 40 ft. Draught, 20 ft.
 Displacement, 2,640 tons. Indicated H.P., 3,000 N.D., 5,520 F.D. Speed, 18 knots. Coal, 300 tons.
 Where built, Chatham. Engines, Humphrys. Launched, 1881.
 Cost, £174,450 (about).
 Armament, six 6-pounders, Q.F. Two Machine.
 Torpedoes, five fixed tubes (submerged).

SECOND-CLASS GUNBOATS.**ALBACORE** (Composite). One Screw.

Length, 135 ft. Breadth, 26 ft. Draught, 10 ft. 6 in.
 Displacement, 560 tons. Indicated H.P., 500 N.D. Speed, 11 knots. Coal, 85 tons.
 Where built, Birkenhead. Engines, Laird. Launched, 1883.
 Cost, £28,556 (about).
 Armament, two 5-in. Two 4-in. Two Machine.

BANTERER (Composite). One Screw.

Length, 125 ft. Breadth, 23 ft. 6 in. Draught, 10 ft.
 Displacement, 465 tons. Indicated H.P., 360. Speed, $9\frac{3}{4}$ knots. Coal, 40 tons.
 Where built, Barrow. Engines, Barrow. Launched, 1880.
 Cost, £20,900 (about).
 Armament, two 64-pounders, M.L.R. Two 20-pounders. Two Machine.

BULLFROG (Composite). One Screw.

Length, 125 ft. Breadth, 23 ft. 6 in. Draught, 9 ft. 6 in.
 Displacement, 465 tons. Indicated H.P., 360. Speed, $9\frac{3}{4}$ knots. Coal, 40 tons.
 Where built, Pembroke. Engines, Maudslay. Launched, 1881.
 Cost, £22,350 (about).
 Armament, two 64-pounders, M.L.R. Two 20-pounders. Two Machine.

SECOND-CLASS GUNBOATS—*continued.***COCKCHAFER** (Composite.) One Screw. Same as *Bullfrog*.

Displacement, 465 tons. Indicated H.P., 300 N.D.
 Where built, Pembroke. Engines, Maudslay. Launched, 1881.
 Cost, £22,100 (about).
 Armament, two 64-pounders, M.L.R. Two 20-pounders. Two Machine.

FIREBRAND (Composite). One Screw.

Length, 125 ft. Breadth, 23 ft. 6 in. Draught, 10 ft.
 Displacement, 455 tons. Indicated H.P., 360. Speed, $10\frac{1}{4}$ knots. Coal, 40 tons.
 Where built, Glasgow. Engines, Thomson. Launched, 1877.
 Cost, £22,800 (about).
 Armament, two 5-in. Two 4-in. Two Machine.

FIREFLY, similar to *Firebrand*.

Speed, 10 knots.
 Cost, £22,700 (about).
 Armament, two 64-pounders, M.L.R. Two 20-pounders. Two Machine.

FIRM, similar to *Firefly*.

Speed, $10\frac{1}{4}$ knots.
 Where built, Hull. Engines, Earle.
 Cost, £22,630 (about).

FOXHOUND, similar to *Firm*.

Speed, $9\frac{1}{2}$ knots.
 Where built, Barrow. Engines, Hawthorn.
 Cost, £20,700 (about).

GRAPPLER (Composite). One Screw.

Length, 125 ft. Breadth, 23 ft. 6 in. Draught, 10 ft.
 Displacement, 465 tons. Indicated H.P., 360. Speed, $9\frac{3}{4}$ knots. Coal, 45 tons.
 Where built, Barrow. Engines, Barrow. Launched, 1880.
 Cost, £20,850 (about).
 Armament, two 64-pounders, M.L.R. Two 20-pounders. Two Machine.

LINNET (Composite.) Twin Screw.

Length, 165 ft. Breadth, 29 ft. Draught, 10 ft. 11 in.
 Displacement, 756 tons. Indicated H.P., 870. Speed, $11\frac{3}{4}$ knots. Coal, 180 tons.
 Where built, Blackwall. Engines, Rennie. Launched, 1880.
 Cost, £35,663 (about).
 Armament, two 90 cwt., M.L.R. Four 6-pounders, Q.F. Two Machine.

MISTLETOE (Composite). One Screw.

Length, 135 ft. Breadth, 26 ft. Draught, 13 ft. 4 in.
 Displacement, 560 tons. Indicated H.P., 500. Speed, $10\frac{1}{2}$ knots. Coal, 95 tons.
 Where built, Birkenhead. Engines, Laird. Launched, 1883.
 Cost, £26,500 (about).
 Armament, two 5 in. Two 4 in. Two Machine, two light.

SECOND-CLASS GUNBOATS—*continued.***RAMBLER** (Composite). One Screw. (Survey Service).

Length, 157 ft. Breadth, 29 ft. 6 in. Draught, 13 ft. 7 in.
 Displacement, 835 tons. Indicated H.P., 650. Speed, $10\frac{1}{2}$ knots. Coal, 40 tons.
 Built, Glasgow. Engines, Elder. Launched, 1880.
 Cost, £37,038 (about).
 Armament, two 20-pounders. One Machine, one light.

RAVEN, same as *Grappler*.

Displacement, 465 tons.
 Where built, Poplar. Engines, Rennie. Launched, 1882.
 Cost, £21,050 (about).

REDWING, same as *Raven*.

Displacement, 461 tons.
 Where built, Pembroke. Engines, Maudslay. Launched, 1880.
 Cost, £22,200 (about).

STARLING (Composite). One Screw.

Length, 125 ft. Breadth, 23 ft. 6 in. Draught, 10 ft.
 Displacement, 465 tons. Indicated H.P., 360. Speed, $9\frac{1}{2}$ knots. Coal, 40 tons.
 Built, Poplar. Engines, Rennie. Launched, 1882.
 Cost, £21,100 (about).
 Armament, two 64-pounders, M.L.R. Two 20-pounders. Two Machine.

STORK, Same as *Starling*. Survey Vessel.

Cost, £21,150 (about).
 Armament, one Machine, one light.

SWIFT (Composite). Twin Screw.

Length, 165 ft. Breadth, 29 ft. Draught, 10 ft. 11 in.
 Displacement, 756 tons. Indicated H.P., 870. Speed, $11\frac{3}{4}$ knots. Coal, 280 tons.
 Where built, Blackwall. Engines, Rennie. Launched, 1879.
 Cost, £34,670 (about).
 Armament, two 90 cwt., M.L.R. Four 6-pounders, Q.F. Two Machine.

WATCHFUL (Composite). One Screw.

Length, 135 ft. Breadth, 26 ft. Draught, 11 ft. 6 in.
 Displacement, 560 tons. Indicated H.P., 500. Speed, 11 knots. Coal, 85 tons.
 Where built, Birkenhead. Engines, Laird. Launched, 1883.
 Cost, £32,527 (about).
 Armament, two 5 in. Two 4 in. Two Machine, two light.

WRANGLER (Composite). One Screw.

Length, 125 ft. Breadth, 23 ft. 6 in. Draught, 10 ft. 6 in.
 Displacement, 465 tons. Indicated H.P., 360. Speed, $9\frac{3}{4}$ knots. Coal, 40 tons.
 Built, Barrow. Engines, Barrow. Launched, 1880.
 Cost, £22,727 (about).
 Armament, two 64-pounders, M.L.R. Two 20-pounders. Two Machine.

THIRD-CLASS GUNBOATS.

- ALECTO.** Paddle. Special Service Vessel. Two Guns.
Displacement, 620 tons. Indicated H.P., 350 N.D.
- ANT.** Twin Screw. Coast Defence. One Gun.
Displacement, 254 tons. Indicated H.P., 110 N.D.
- ARROW,** same as *Ant.* One Gun.
- BADGER,** same as *Ant.* One Gun.
- BLAZER,** same as *Ant.* Two Guns.
- BLOODHOUND,** same as *Ant.* Two Guns.
- BONETTA,** same as *Ant.* One Gun.
- BOUNCER,** same as *Ant.* One Gun.
Displacement, 265 tons.
- BUSTARD,** same as *Ant.* One Gun.
Displacement, 254 tons.
- COCKATRICE.** Paddle. Special Service Vessel. Two Guns.
Displacement, 600 tons. Indicated H.P., 390 N.D.
- COMET,** same as *Ant.* Two Guns.
Displacement, 254 Tons.
- CUCKOO,** same as *Ant.* One Gun.
- DART.** Screw. Surveying Vessel.
Displacement, 470 tons. Indicated H.P., 250 N.D.
- DEE,** same as *Ant.* Three Guns.
Displacement, 363 tons. Indicated H.P., 200 N.D.
- DON,** same as *Ant.* Three Guns.
- ESK,** same as *Ant.* Three Guns.
- FIDGET,** same as *Ant.* One Gun.
Displacement, 254 tons. Indicated H.P., 110 N.D.
- FIRE QUEEN.** Screw. Special Service Vessel.
Displacement, 446 tons. Indicated H.P., 500 N.D.

THIRD-CLASS GUNBOATS—*continued.*

- GADFLY**, same as *Ant.* One Gun.
Displacement, 265 tons. Indicated H.P., 110 N.D.
- GRIPER**, same as *Ant.* One Gun.
- HEARTY**. Twin Screw. Special Service Vessel. Two Guns.
Displacement, 1,300 tons. Indicated H.P., 2,100 N.D.
- HYÆNA**, same as *Ant.* One Gun.
Displacement, 354 tons. Indicated H.P., 110 N.D.
- IMOGENE**. Screw. Special Service Vessel.
Displacement, 460 tons. Indicated H.P., 390 N.D.
- INSOLENT**, same as *Ant.* One Gun.
Displacement, 265 tons. Indicated H.P., 110 N.D.
- JACKAL**. Screw. Special Service Vessel.
Displacement, 750 tons. Indicated H.P., 1,200 N.D.
- KITE**, same as *Ant.* Two Guns.
Displacement, 254 tons. Indicated H.P., 110 N.D.
- MAGNET**. Twin Screw. Special Service Vessel.
Displacement, 430 tons. Indicated H.P., 650 N.D.
- MASTIFF**, same as *Ant.* Three Guns.
- MEDINA**, same as *Ant.* Three Guns.
Displacement, 363 tons. Indicated H.P., 200 N.D.
- MEDWAY**, same as *Ant.* Three Guns.
- PICKLE**, same as *Ant.* One Gun.
Displacement, 254 tons. Indicated H.P., 110 N.D.
- PIKE**, same as *Ant.* One Gun.
- PINCHER**, same as *Ant.* One Gun.
Displacement, 265 tons. Indicated H.P., 110 N.D.
- PLUCKY**, same as *Ant.* Two Guns.
Displacement, 195 tons. Indicated H.P., 90 N.D.
- RESEARCH**. Paddle. Surveying Vessel.
Displacement, 520 tons. Indicated H.P., 450 N.D.

THIRD-CLASS GUNBOATS—*continued.*

SABRINA, same as *Ant.* Three Guns.

Displacement, 363 tons. Indicated H.P., 200 N.D.

SCOURGE, same as *Ant.* One Gun.

Displacement, 254 tons. Indicated H.P., 110 N.D.

SEAHORSE. Twin Screw. Special Service Vessel.

Displacement, 670 tons. Indicated H.P., 1,100 N.D.

SEAMEW. Screw. Tender for Coast Guard Service.

Displacement, 376 tons. Indicated H.P., 150 N.D.

SLANEY, same as *Ant.* Three Guns.

Displacement, 363 tons. Indicated H.P., 200 N.D.

SNAKE, same as *Ant.* One Gun.

SNAP, same as *Ant.* One Gun.

SPEY, same as *Ant.* Three Guns.

SPHINX. Paddle. Special Service Vessel. Five Guns.

Displacement, 1,130 tons. Indicated H.P., 1,100 N.D.

STAUNCH, same as *Ant.* One Gun.

Displacement, 180 tons. Indicated H.P., 60 N.D.

TAY, same as *Ant.* Three Guns.

Displacement, 363 tons. Indicated H.P., 200 N.D.

TEES, same as *Ant.* Three Guns.

Displacement, 363 tons. Indicated H.P., 200 N.D.

TICKLER, same as *Ant.* One Gun.

Displacement, 265 tons. Indicated H.P., 110 N.D.

TRAVELLER. Twin Screw. Special Service Vessel.

Displacement, 700 tons. Indicated H.P., 1,100 N.D.

TRENT, same as *Ant.* Four Guns.

Displacement, 363 tons. Indicated H.P., 200 N.D.

TRITON. Paddle. Surveying Vessel.

Displacement, 410 tons. Indicated H.P., 350 N.D.

TWEED, same as *Ant.* Three Guns.

THIRD-CLASS GUNBOATS—*continued.*

VIVID. Screw. Special Service Vessel.

Displacement, 550 tons. Indicated H.P., 425 N.D.

WATERWITCH. Screw. Surveying Vessel.

Displacement, 620 tons. Indicated H.P., 450 N.D.

WAVE. Screw. Special Service Vessel.

Displacement, 308 tons. Indicated H.P., 250 N.D.

WEAZEL, same as *Ant.* One Gun.

Displacement, 254 tons. Indicated H.P., 110 N.D.

WILDFIRE. Screw. Special Service Vessel.

Displacement, 453 tons. Indicated H.P., 360 N.D.

SLOOP CLASS.

ACORN (Composite). One Screw.

Length, 167 ft. Breadth, 32 ft. Draught, 14 ft.

Displacement, 970 tons. Indicated H.P., 850 F.D., 1,200 N.D. Speed, 12 knots. Coal, 150 tons.

Where built, Milford Haven. Engines, Maudslay. Launched, 1884.

Cost, £42,000 (about).

Armament, eight 5-in. 38 cwt. Eight Machine, one light.

ALACRITY (Steel). Twin Screw. Despatch Vessel.

Length, 250 ft. Breadth, 32 ft. 6 in. Draught, 14 ft.

Displacement, 1,700 tons. Indicated H.P., 3,000. Speed, 17 knots. Coal, 400 tons.

Where built, Jarrow. Engines, Palmer. Launched, 1885.

Cost, £77,969 (about).

Armament, ten 6-pounders, Q.F. Two Machine.

ALERT (Steel, Copper Sheathed). One Screw.

Length, 180 ft. Breadth, 32 ft. Draught, 11 ft. 6 in.

Displacement, 960 tons. Indicated H.P., 1,100 N.D., 1,400 F.D. Speed, 13 knots. Coal, 130 tons.

Where built, Sheerness. Engines, Sheerness.

Cost, £59,566 (about).

Armament, six 4-in. 25-pounders, Q.F. Four 3-pounders, Q.F. Two Machine.

BASILISK (Steel, Copper Sheathed). Twin Screw.

Length, 195 ft. Breadth, 28 ft. Draught, 12 ft. 6 in.

Displacement, 1,170 tons. Indicated H.P., 1,400 N.D., 2,000 F.D. Speed, 14½ knots. Coal, 160 tons.

Where built, Sheerness. Engines, Rennie. Launched, 1889.

Cost, £58,013 (about).

Armament, eight 5-in. Eight Machine.

SLOOP CLASS—*continued.***BEAGLE** (Steel, Copper Sheathed). Twin Screw.

Length, 195 ft. Breadth, 28 ft. Draught, 12 ft. 6 in.

Displacement, 1,170 tons. Indicated H.P., 1,400 N.D., 2,000 F.D. Speed, 14½ knots. Coal, 160 tons.

Where built, Portsmouth. Engines, Rennie. Launched, 1889.

Cost, £56,474 (about).

Armament, eight 5-in. Eight Machine.

BUZZARD (Composite). Twin Screw.

Length, 195 ft. Breadth, 28 ft. Draught, 11 ft. 6 in.

Displacement, 1,140 tons. Indicated H.P., 1,400 N.D., 2,000 F.D. Speed, 14½ knots. Coal, 160 tons.

Where built, Sheerness. Engines, Barrow. Launched, 1887.

Cost, £58,700 (about).

Armament, eight 5-in. Eight Machine.

DAPHNE (Composite). Twin Screw.

Length, 195 ft. Breadth, 28 ft. Draught, 11 ft. 6 in.

Displacement, 1,140 tons. Indicated H.P., 1,400 N.D., 2,000 F.D. Speed, 14½ knots. Coal, 160 tons.

Where built, Sheerness. Engines, Greenock. Launched, 1888.

Cost, £57,600 (about).

Armament, eight 5-in. Eight Machine.

DOLPHIN (Composite). One Screw.

Length, 157 ft. Breadth, 32 ft. Draught, 14 ft.

Displacement, 925 tons. Indicated H.P. 500 N.D., 750 F.D. Speed, 11¼ knots. Coal, 135 tons.

Where built, Middlesborough. Engines, Hawthorn. Launched, 1882.

Cost, £35,650 (about).

Armament, two 6-in. Two 5-in. Three Machine, one light.

EGERIA (Composite). One Screw. (Surveying.)

Length, 160 ft. Breadth, 31 ft. 4 in. Draught, 14 ft. 3 in.

Displacement, 940 tons. Indicated H.P., 700 N.D. Speed, 11¼ knots. Coal, 100 tons.

Where built, Pembroke. Engines, Humphrys. Launched, 1873.

Cost, £42,882 (about).

Armament, four 20-pounders. Two Machine, one light.

ESPIEGLE (Composite). One Screw.

Length, 170 ft. Breadth 36 ft. Draught, 16 ft. 3 in.

Displacement, 1,130 tons. Indicated H.P., 800. Speed, 11½ knots. Coal, 150 tons.

Where built, Devonport. Engines, Maudslay. Launched, 1880.

Cost, £48,770 (about).

Armament, ten 5-in. Eight Machine, one light.

GANNET (Composite). One Screw.

Length, 170 ft. Breadth, 36 ft. Draught, 15 ft. 9 in.

Displacement, 1,130 tons. Indicated H.P., 800. Speed, 11½ knots. Coal, 150 tons.

Where built, Sheerness. Engines, Humphrys. Launched, 1878.

Cost, £52,470 (about).

Armament, two 90-cwt., M.L.R. Three 64-pounders, M.L.R. Two 5-in. 38 cwt. Six Machine, one light.

SLOOP CLASS—*continued.***ICARUS** (Composite). One Screw.

Length, 167 ft. Breadth, 32 ft. Draught, 13 ft. 6 in.
 Displacement, 970 tons. Indicated H.P., 850 N.D., 1,200 F.D. Speed, 12 knots. Coal, 150 tons.
 Where built, Devonport. Engines, Barrow. Launched, 1885.
 Cost, £52,104 (about).
 Armament, eight 5-in. Four 3-pounders, Q.F. Four Machine, one light.

MARINER (Composite). One Screw.

Length, 167 ft. Breadth, 32 ft. Draught, 14 ft.
 Displacement, 970 tons. Indicated H.P., 850. Speed, 11½ knots. Coal, 150 tons.
 Where built, Devonport. Engines, Hawthorn. Launched, 1884.
 Cost, £49,997 (about).
 Armament, eight 5-in. 38 cwt. Eight Machine, one light.

MELITA (Composite). One Screw.

Length, 167 ft. Breadth, 32 ft. Draught, 13 ft. 6 in.
 Displacement, 970 tons. Indicated H.P., 850 N.D., 1,200 F.D. Speed, 12½ knots. Coal, 150 tons.
 Where built, Malta. Engines, Malta Dock Co. Launched, 1888.
 Cost, £60,179 (about).
 Armament, eight 5-in. Eight Machine, one light.

MUTINE (Composite). One Screw.

Length, 170 ft. Breadth, 36 ft. Draught, 15 ft. 9 in.
 Displacement, 1,130 tons. Indicated H.P., 800. Speed, 12 knots. Coal, 150 tons.
 Where built, Devonport. Engines, Maudslay. Launched, 1880.
 Cost, £49,270 (about).
 Armament, ten 5-in. Eight Machine, one light.

NYMPHE (Composite). One Screw.

Length, 195 ft. Breadth, 28 ft. Draught, 11 ft. 6 in.
 Displacement, 1,140 tons. Indicated H.P., 1,400 N.D., 2,000 F.D. Speed 14½ knots.
 Cost, £57,600 (about).
 Armament, eight 5-in. Eight Machine.

PELICAN (Composite). One Screw.

Length, 170 ft. Breadth, 36 ft. Draught, 15 ft. 3 in.
 Displacement, 1,130 tons. Indicated H.P., 800. Speed, 12 knots. Coal, 150 tons.
 Where built, Devonport. Engines, Humphrys. Launched, 1877.
 Cost, £56,221 (about).
 Armament, two 6-in. Six 5-in. Four Machine, one light.

PENGUIN (Composite). One Screw. (Surveying.)

Length, 170 ft. Breadth, 36 ft. Draught, 16 ft. 1 in.
 Displacement, 1,130 tons. Indicated H.P., 800. Speed, 11 knots. Coal, 150 tons.
 Where built, Glasgow. Engines, Hawthorn. Launched, 1876.
 Cost, £52,111 (about).
 Armament, two 64-pounders, M.L.R. Two Machine, one light.



The "HAUGHTY"

H.M.S. "HAUGHTY" (Torpedo Boat Destroyer).

Built by Messrs. WILLIAM DOXFORD & SONS, Limited, Pallion Yard, Sunderland.

Dimensions, 196 ft. x 19 ft. x 11 ft. 9 in.

Displacement, 242 tons. Speed, 27.949 knots, H.P., 4,000 F.D.

Armament, one 12-pounder Q.F., and five 6-pounder Q.F. Two torpedo tubes.

(See p. 101.)

SLOOP CLASS—*continued.***RACER** (Composite). One Screw.

Length, 167 ft. Breadth, 32 ft. Draught, 14 ft.
 Displacement, 970 tons. Indicated H.P., 850, N.D., 1,200 F.D. Speed, 11½ knots. Coal, 150 tons.
 Where built, Devonport. Engines, Hawthorn. Launched, 1884.
 Cost, £49,000 (about).
 Armament, eight 5-in. Eight Machine, one light.

REINDEER (Composite). One Screw.

Length, 167 ft. Breadth, 32 ft. Draught, 14 ft.
 Displacement, 970 tons. Indicated H.P., 850, N.D., 1,200 F.D. Speed, 11½ knots. Coal, 150 tons.
 Where built, Devonport. Engines, Hawthorn. Launched, 1883.
 Cost, £47,621 (about).
 Armament, six 5-in. Eight Machine, one light.

SURPRISE (Steel). Twin Screw. Despatch Vessel.

Length, 250 ft. Breadth, 32 ft. 6 in. Draught, 14 ft.
 Displacement, 1,650 tons. Indicated H.P., 3,030. Speed, 17 knots. Coal, 400 tons
 Where built, Yarrow. Engines, Palmer. Launched, 1885.
 Cost, £78,763 (about).
 Armament, four 5-in. Four 6-pounders, Q.F. Two Machine.

SWALLOW (Composite). Twin Screw.

Length, 195 ft. Breadth, 28 ft. Draught, 11 ft. 6 in.
 Displacement, 1,130 tons. Indicated H.P., 1,570. Speed, 13½ knots. Coal, 280 tons.
 Where built, Sheerness. Engines, Rennie. Launched, 1885.
 Cost, £59,797 (about).
 Armament, eight 5-in. Eight Machine.

TORCH (Steel, Copper Sheathed). One Screw.

Length, 180 ft. Breadth, 32 ft. 6 in. Draught, 11 ft. 6 in.
 Displacement, 960 tons. Indicated H.P., 1,100 N.D., 1,400 F.D. Speed, 13¼ knots. Coal, 130 tons.
 Where built, Sheerness. Engines, Sheerness. Launched, 1894.
 Cost, £61,718 (about).
 Armament, six 4-in. 25-pounders, Q.F. Four 3-pounders, Q.F. Two Machine.

WILD SWAN (Composite). One Screw.

Length, 170 ft. Breadth, 36 ft. Draught, 15 ft. 10 in.
 Displacement, 1,130 tons. Indicated H.P., 800. Speed, 11¼ knots. Coal, 150 tons.
 Where built, Glasgow. Engines, Hawthorn. Launched, 1876.
 Cost, £51,496 (about).
 Armament, two 6-in. Six 5-in. Two 3-pounders, Q.F. Two Machine, one light.



TORPEDO BOAT DESTROYERS.

- ARDENT.** Twin Screw Torpedo Boat Destroyer. Six Guns. Chiswick.
Indicated H.P., 3,800 F.D. Speed, 27 knots.
- BANSHEE.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,400 F.D. Speed, 27 knots.
- BOXER.** Twin Screw Torpedo Boat Destroyer. Six Guns. Chiswick.
Indicated H.P., 3,800 F.D. Speed, 27 knots.
- BRUISER.** Twin Screw Torpedo Boat Destroyer. Six Guns. Chiswick.
Indicated H.P., 3,800 F.D. Speed, 27 knots.
- CHARGER.** Twin Screw Torpedo Boat Destroyer. Six Guns. Poplar.
Indicated H.P., 3,200 F.D. Speed, 26 knots.
- CONFLICT.** Twin Screw Torpedo Boat Destroyer. Six Guns. East Cowes.
Indicated H.P., 4,500 F.D. Speed, 28 knots.
- CONTEST.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,400 F.D. Speed, 28 knots.
- DARING.** Twin Screw Torpedo Boat Destroyer. Four Guns. Chiswick.
Indicated H.P., 3,500 F.D. Speed, 27 knots.
- DASHER.** Twin Screw Torpedo Boat Destroyer. Six Guns. Poplar.
Indicated H.P., 3,200 F.D. Speed, 26 knots.
- DECOY.** Twin Screw Torpedo Boat Destroyer. Four Guns. Chiswick.
Indicated H.P., 3,500 F.D. Speed, 27 knots.
- DRAGON.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,400 F.D. Speed, 28 knots.
- FERRET.** Twin Screw Torpedo Boat Destroyer. Four Guns. Birkenhead.
Indicated H.P., 3,600 F.D. Speed, 27 knots.
- FERVENT.** Twin Screw Torpedo Boat Destroyer. Six Guns. Paisley.
Indicated H.P., 3,850 F.D. Speed, 26 knots.
- HANDY.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,000 F.D. Speed, 27 knots.

TORPEDO BOAT DESTROYERS—*continued.*

- HARDY.** Twin Screw Torpedo Boat Destroyer. Six Guns. Sunderland.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- HART.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- HASTY.** Twin Screw Torpedo Boat Destroyer. Six Guns. Poplar.
Indicated H.P., 3,200 F.D. Speed, 26 knots.
- HAUGHTY.** Twin Screw Torpedo Boat Destroyer. Six Guns. Sunderland.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- HAVOCK.** Twin Screw Torpedo Boat Destroyer. Four Guns. Poplar.
Indicated H.P., 3,300 F.D. Speed, $26\frac{3}{4}$ knots.
- HORNET.** Twin Screw Torpedo Boat Destroyer. Four Guns. Poplar.
Indicated H.P., 3,300 F.D. Speed, 28 knots.
- HUNTER.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- JANUS.** Twin Screw Torpedo Boat Destroyer. Six Guns. Jarrow.
Indicated H.P., 3,900 F.D. Speed, 27 knots.
- LIGHTNING.** Twin Screw Torpedo Boat Destroyer. Six Guns. Jarrow.
Indicated H.P., 3,900 F.D. Speed, 27 knots.
- LYNX.** Twin Screw Torpedo Boat Destroyer. Four Guns. Birkenhead.
Indicated H.P., 3,600 F.D. Speed, 27 knots.
- OPOSSUM.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- PORCUPINE.** Twin Screw Torpedo Boat Destroyer. Six Guns. Jarrow.
Indicated H.P., 3,900 F.D. Speed, 27 knots.
- RANGER.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- ROCKET.** Twin Screw Torpedo Boat Destroyer. Six Guns. Clydebank.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- SALMON.** Twin Screw Torpedo Boat Destroyer. Six Guns. Hull.
Indicated H.P., 4,000 F.D. Speed, 27 knots.

TORPEDO BOAT DESTROYERS—*continued.*

- SHARK.** Twin Screw Torpedo Boat Destroyer. Six Guns. Clydebank.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- SKATE.** Twin Screw Torpedo Boat Destroyer. Six Guns. Barrow.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- SNAPPER.** Twin Screw Torpedo Boat Destroyer. Six Guns. Hull.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- SPITFIRE.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- STARFISH.** Twin Screw Torpedo Boat Destroyer. Six Guns. Barrow.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- STURGEON.** Twin Screw Torpedo Boat Destroyer. Six Guns. Barrow.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- SUNFISH.** Twin Screw Torpedo Boat Destroyer. Six Guns. Hebburn.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- SURLY.** Twin Screw Torpedo Boat Destroyer. Six Guns. Clydebank.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- SWORDFISH.** Twin Screw Torpedo Boat Destroyer. Six Guns. Elswick.
Indicated H.P., 4,000 F.D. Speed, 27 knots.
- TEAZER.** Twin Screw Torpedo Boat Destroyer. Six Guns. East Cowes.
Indicated H.P., 4,500 F.D. Speed, 28 knots.
- WIZARD.** Twin Screw Torpedo Boat Destroyer. Six Guns. East Cowes.
Indicated H.P., 4,500 F.D. Speed, 28 knots.
- ZEBRA.** Twin Screw Torpedo Boat Destroyer. Six Guns.
Indicated H.P., 4,500 F.D. Speed, 28 knots.
- ZEPHYR.** Twin Screw Torpedo Boat Destroyer. Six Guns. Paisley.
Indicated H.P., 3,850 F.D. Speed, 28 knots.

12 New Torpedo Boat Destroyers building. (Higher Speed.) :—

4. The "DESPERATE," "FAME," "FOAM," and "MALLARD," by Messrs. Thornycroft.
Displacement, 272 tons. H.P., 5,400. Speed, 30 knots.
 4. The "QUAIL," "SPARROWHAWK," "THRASHER," and "VIRAGO," by Messrs. Laird Bros.
Displacement, 300 tons. H.P., 6,000. Speed, 30 knots.
 4. The "BRAZON," "ELECTRA," "RECRUIT," and "VULTURE," by Messrs. J. & G. Thomson.
Displacement, 300 tons. H.P., 5,800. Speed, 30 knots.
-

8 New Torpedo Boat Destroyers building. (Not named.)

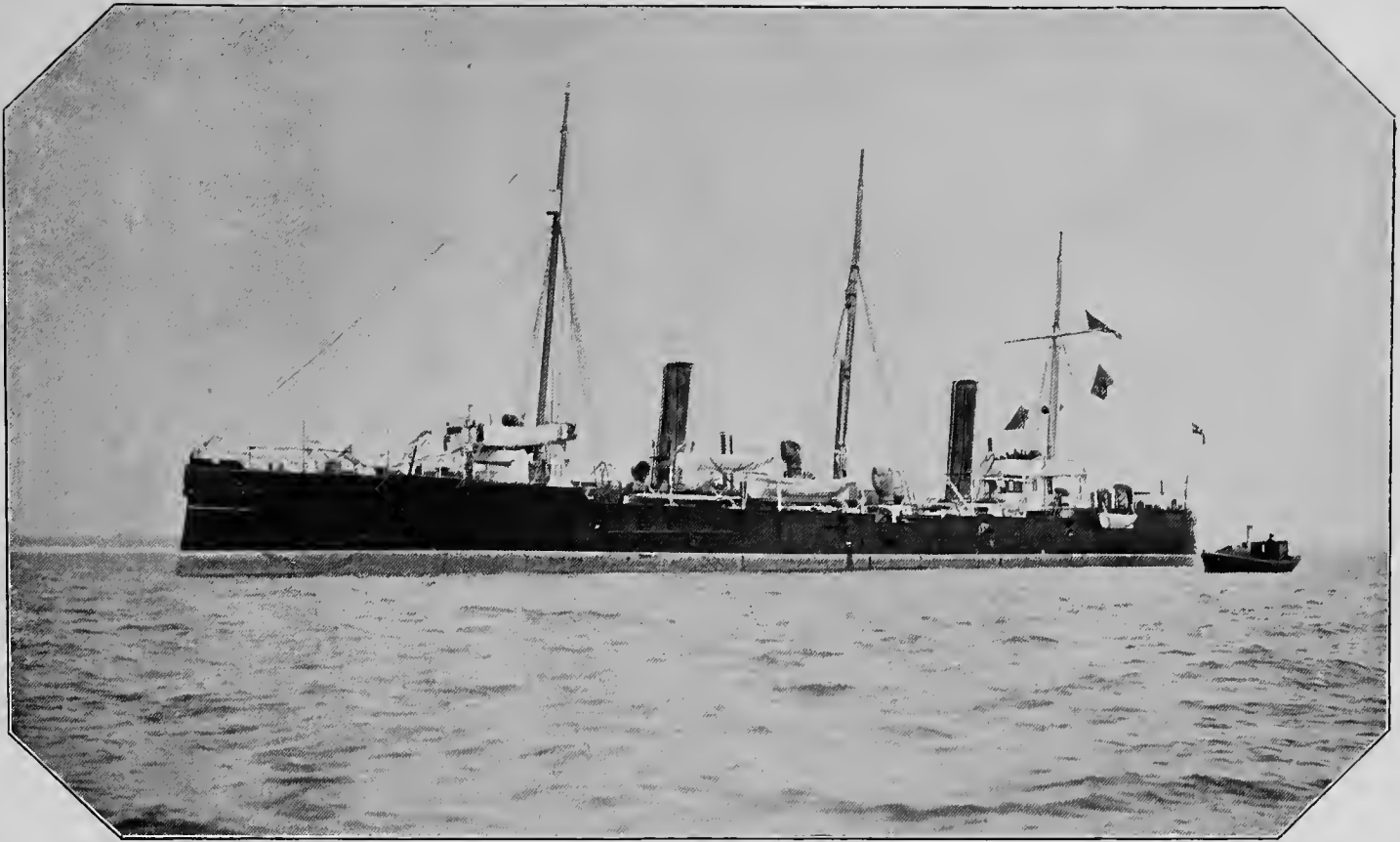


Photo by G. WEST & SON,
Southsea.

H.M.S. "BELLONA." (See p. 62.)



Photo by G. WEST & SON,
Southsea,

H.M. YACHT "ENCHANTRESS." (See p. 107.)



*Photo by G. WEST & SON,
Southsea.*

H.M. ROYAL YACHT "VICTORIA & ALBERT."



*Photo by G. WEST & SON,
Southsea.*

H.M. ROYAL YACHT "OSBORNE."

ROYAL YACHTS, &c.

ALBERTA. Paddle Yacht. Tender to *Victoria and Albert*.

Displacement, 370 tons. Indicated H.P., 1,000 N.D.

ELFIN. Paddle Yacht. Tender to *Victoria and Albert*.

Displacement, 93 tons. Indicated H.P., 170 N.D.

ENCHANTRESS. Admiralty Paddle Yacht. Special Service.

Displacement, 1,000 tons. Indicated H.P., 1,100 N.D.

OSBORNE (Paddle). Royal Yacht.

Displacement, 1,850 tons. Indicated H.P., 2,900 N.D.

VICTORIA AND ALBERT. Paddle Yacht—Royal.

Displacement, 2,470 tons. Indicated H.P., 2,400 N.D.

BATTLE SHIPS LAUNCHED AND PREPARING FOR COMMISSION.

MAGNIFICENT (Twin Screw).

Length, 390 ft. Breadth, 75 ft. Draught, 27 ft. 6 in.

Displacement, 14,900 tons. Indicated H.P., 12,125 I.D. Speed, 18 knots.

Commenced May 28th, 1894. Where built, Chatham. Engines, John Penn. Launched, 1895.

Seven Decks, viz.: Platform, Lower, Middle, Upper, Boat and Shelter Decks.

Armour Deck, averaging 3 inches in thickness throughout the ship; protecting Machinery, Air Compressors, Steering Gear, Magazines and Shell Rooms.

There are 48 Watertight Compartments, all watertight; above the inner bottom she is again divided into 180 Watertight Spaces, and 190 Watertight doors. Armour plates are of Harvey Steel, from 8 to 14 inches thick.

Armour, side 9 H.S. Barbette, 14 to 9 in. H.S. Battery, 14 to 8 in. H.S. Deck Plating, 4 to 2½ in. Casements, 6 in.

Armament, four 50-ton 12-in. guns, mounted in pairs or turntables, very strongly armoured. In addition, she will carry twelve 6 in. Q.F. in armour casements 6 inches thick.

Latest developments of the Elswick Company.

She also carries 38 smaller Q.F. guns, and five torpedo tubes for discharge of 18 in. Whitehead torpedoes. Four Military tops, two on each mast, fitted with three electric searchlights and eight 3-pounder Q.F. guns.

On Shelter Decks are the Conning Towers, the fore one being protected by 14 in. and the after by 3 in. armour. Coal capacity, 2,200 tons.

MAJESTIC (similar to *Magnificent*).

Built at Portsmouth.

Launched, 1895.

PRINCE GEORGE (similar to *Magnificent*).

Built at Portsmouth.

Launched, 1895.

VICTORIOUS (similar to *Magnificent*).

Built at Chatham. Launched, 1895.

Engines, Hawthorne, Leslie & Co.

COMPLEMENT TABLE OF BRITISH NAVY.

FIRST-CLASS BATTLE SHIPS.

Names.	Comple- ment.	Names.	Comple- ment.	Names.	Comple- ment.	Names.	Comple- ment.
Anson	515	Hannibal... ..	757	Nile	558	Royal Oak	730
Barfleur	606	Hood	730	Prince George	757	Royal Sovereign... ..	730
Benbow	309	Howe	515	Ramillies... ..	730	Sans Pareil	583
Camperdown	515	Illustrious	757	Renown	674	Trafalgar... ..	572
Centurion	622	Jupiter	757	Repulse	730	Victorious	757
Cæsar	757	Magnificent	757	Resolution	730		
Collingwood	480	Majestic	757	Revenge	730		
Empress of India... ..	730	Mars	757	Rodney	515		

SECOND-CLASS BATTLE SHIPS.

Agamemnon	410	Colossus	288	Edinburgh	289	Superb	654
Ajax	410	Devastation	410	Inflexible... ..	485	Temeraire	592
Alexandria	408	Dreadnought	253	Neptune	412	Thunderer	410

THIRD-CLASS BATTLE SHIPS.

Audacious	492	Hercules	408	Iron Duke	492	Swiftsure	497
Bellerophon	572	Hero	330	Monarch	598	Triumph	497
Conqueror	330	Invincible	492	Sultan	661		

FIRST-CLASS CRUISERS.

Achilles	707	Diamen	Not settled	Imperieuse	544	Royal Arthur	567
Agincourt	687	Edgar	544	Minotaur... ..	701	St. George	559
Andromeda	Not settled	Endymion	544	Narcissus... ..	484	Shannon	156
Aurora	484	Europa	Not settled	Nelson	580	Terrible	840
Australia... ..	484	Galatea	484	Niobe	Not settled	Theseus	544
Black Prince	701	Gibraltar... ..	419	Northampton	580	Undaunted	484
Blake	570	Grafton	544	Northumberland... ..	701	Warrior	687
Blenheim... ..	570	Hawke	544	Orlando	484	Warspite	535
Crescent	560	Immortalite	484	Powerful... ..	840		

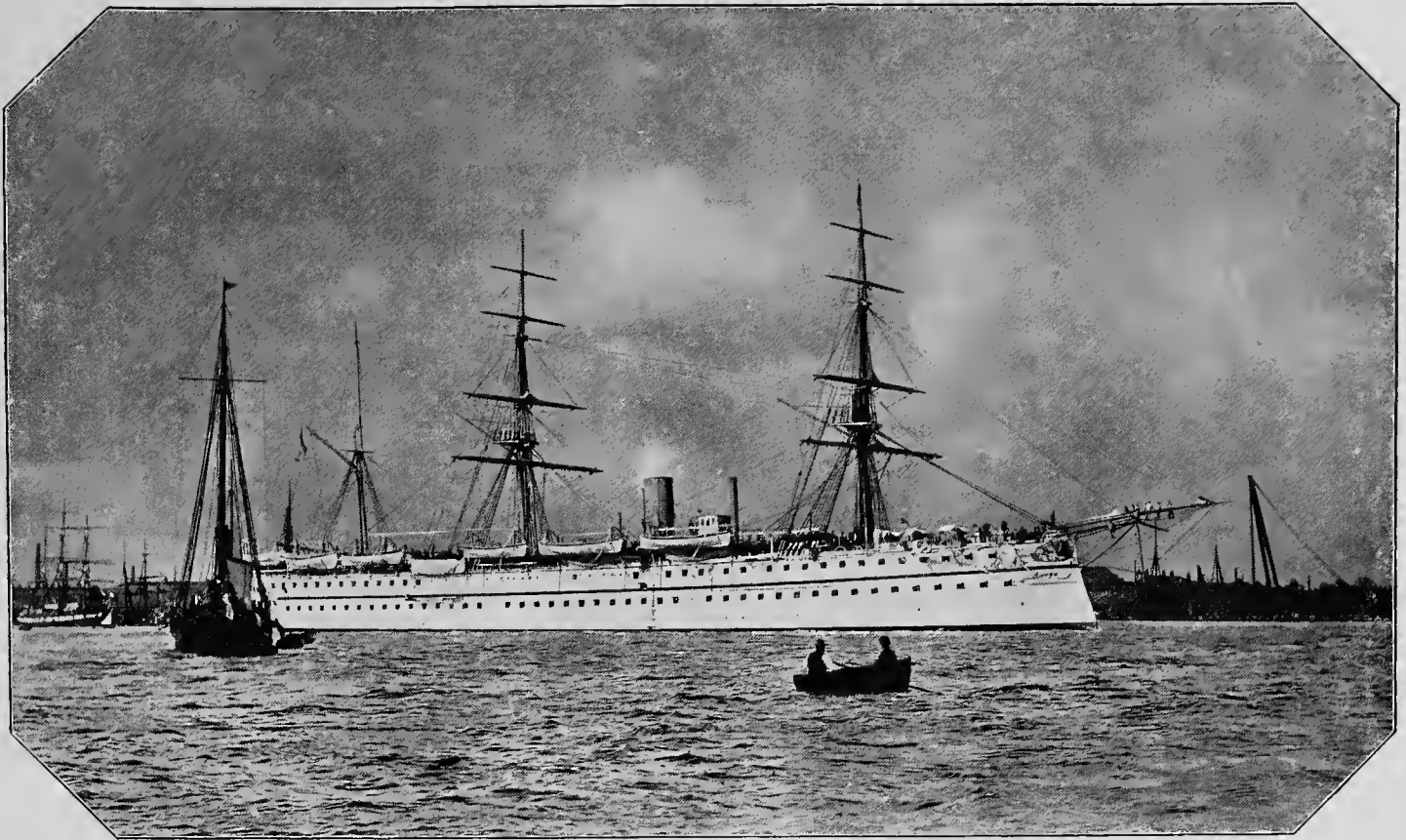


Photo by G. WEST & SON,
Southsea.

H.M.S. "MALABAR."
(TROOPSHIP.)

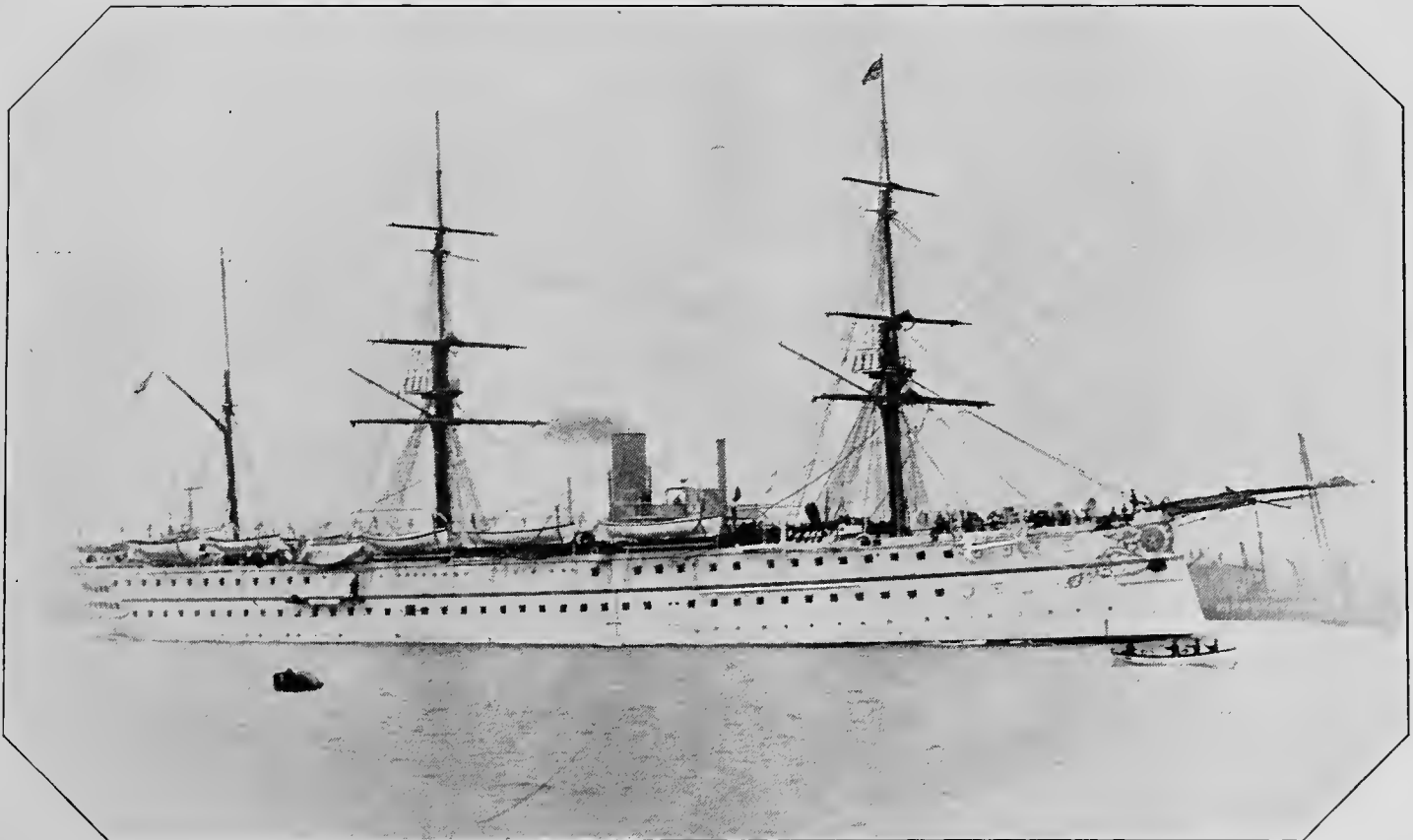


Photo by G. WEST & SON,
Southsea.

H.M.S. "EUPHRATES."
(TROOPSHIP.)

COMPLEMENT TABLE OF BRITISH NAVY—*continued.*

SECOND-CLASS CRUISERS.

Names.	Comple- ment.	Names.	Comple- ment.	Names.	Comple- ment.	Names.	Comple- ment.
Active	339	Dido	450	Isis	290	Sappho	273
Æolus	273	Doris	450	Juno	450	Scylla	273
Amphion	309	Eclipse	437	Latona	273	Severn	327
Andromache	273	Flora	312	Leander	309	Sirius	273
Apollo	273	Forte	312	Melampus	273	Spartan	273
Arethusa	309	Forth	326	Mercury	291	Sybille	273
Arrogant	419	Fox	312	Mersey	327	Talbot	437
Astræa	312	Furious	419	Minerva	437	Terpsichore	273
Boadicea	439	Hermione	312	Naiad	273	Thames	326
Bonaventure	312	Inconstant	631	Phaeton	309	Thetis	273
Brilliant	273	Indefatigable	273	Pique	273	Tribune	273
Cambrian	312	Intrepid	273	Rainbow	273	Venus	450
Charybdis	312	Iphigenia	273	Raleigh	571	Volage	339
Diana	450	Iris	450	Retribution	275		

THIRD-CLASS CRUISERS.

Archer	172	Cleopatra	265	Medusa	218	Royalist	171
Alacrity	114	Comus	265	Melpomene	218	Ruby	236
Barham	169	Conquest	265	Mildura	217	Satellite	167
Barracouta	159	Constance	277	Mohawk	172	Scout	147
Barrosa	159	Cordelia	265	Pallas	217	Tartar	172
Bellona	169	Cossack	172	Pearl	217	Tauranga	215
Blanche	159	Curacoa	265	Pelorus	224	Tourmaline	236
Blonde	159	Fearless	147	Philomei	217	Wallaroo	218
Brisk	172	Garnet	236	Phœbe	217	Surprise	107
Calliope	293	Heroine	168	Porpoise	172		
Calypso	293	Hyacinth... ..	168	Proserpine	224		
Canada	265	Katoomba	217	Pylades	170		
Caroline	169	Magicienne	218	Racoon	176		
Carysfort... ..	265	Marathon	218	Rapid	171		
Champion	265	Medea	218	Ringarooma	216		

COMPLEMENT TABLE OF BRITISH NAVY—*continued.*

COAST DEFENCE SHIPS (Armoured).

Names.	Comple- ment.	Names.	Comple- ment.	Names.	Comple- ment.	Names.	Comple- ment.
Abyssinia ...	193	Glatton	192	Hydra	196	Prince Albert ...	205
Belleisle	284	Gorgon	196	Magdala	194	Rupert	293
Cerberus	Australian	Hecate	205	Orion	284	Scorpion	151
Cyclops	196	Hotspur	232	Penelope	265	Wivern	151

FIRST-CLASS TORPEDO GUNBOATS.

Alarm	91	Gossamer... ..	91	Plassy	91	Skipjack	91
Antelope	91	Hebe	91	Renard	91	Spanker	91
Assaye	91	Jaseur	91	Salamander	91	Speedwell	91
Boomerang	91	Karrakatta	91	Seagnll	91	Speedy	91
Circe	91	Leda	91	Sharpshooter	91		
Gleaner	91	Onyx	91	Sheldrake	91		

TORPEDO BOAT DESTROYERS.

Ardent	50	Ferret	42	Lightning	50	Starfish	50
Banshee	50	Fervent	50	Lynx	42	Sturgeon... ..	50
Boxer	50	Handy	50	Opossum	50	Sunfish	50
Bruiser	50	Hardy	50	Porcupine	50	Surly	50
Charger	50	Hart	50	Ranger	50	Swordfish	50
Conflict	50	Hasty	50	Rocket	50	Teazer	50
Contest	50	Haughty	50	Salmon	50	Wizard	50
Daring	42	Havock	42	Shark	50	Zebra	50
Dasher	50	Hornet	42	Skate	50	Zephyr	50
Decoy	42	Hunter	50	Snapper	50	Twenty Building at	
Dragon	50	Janus	50	Spitfire	50	Higher Speeds.	

SLOOPS.

Acorn	126	Beagle	138	Gannet	152	Pelican	145
Alert	101	Buzzard	138	Icarns	126	Phoenix	106
Algerine	106	Daphne	138	Melita	125	Racer	125
Basilisk	138	Dolphin	115	Nymphe	138	Swallow	135
Torch	101	Wild Swan	145	Two New Sloops Building.			

COMPLEMENT TABLE OF BRITISH NAVY—*continued.*

SPECIAL SERVICE VESSELS.

Names.	Comple- ment.	Names.	Comple- ment.	Names.	Comple- ment.	Names.	Comple- ment.
Alecto	60	Hawk	42	Penguin	137	Traveller	56
Cockatrice	60	Hearty	94	Polyphemus	146	Vesuvius	24
Egeria	122	Hecla	277	Rambler	113	Vivid	Yacht
Enchantress	59	Imogene	40	Redwing	43	Vulcan	433
Excellent... ..	106	Jackal	59	Seahorse	53	Wave	13
Fanny	39	Magnet	43	Sphinx	88	Wildfire	51
Fire Queen	21	Palumia	Australian	Surprise	107		

COAST DEFENCE GUNBOATS.

Ant	30	Cuckoo	30	Mastiff	30	Snake	30
Arrow	30	Dee	50	Medina	50	Snap	30
Badger	30	Don	50	Medway	50	Spey	50
Blazer	30	Esk	50	Pickle	30	Staunch	30
Bloodhound	30	Fidget	30	Pike	30	Tay	50
Bonettæ	30	Gadfly	30	Pincher	30	Tees	50
Bouncer	30	Griper	30	Plucky	30	Tickler	30
Bulldog	30	Hyæna	30	Sabrina	50	Trent	50
Bustard	30	Insolent	30	Scurge	30	Tweed	50
Comet	30	Kite	30	Slaney	50	Weazel	30

FIRST-CLASS GUNBOATS.

Bramble	76	Hussar	120	Peacock	76	Redpole	76
Curlew	103	Jason	91	Pheasant... ..	76	Ringdove... ..	76
Dryad	120	Landrail	46	Pigeon	76	Sandfly	67
Goldfinch... ..	76	Lapwing	76	Pigmy	76	Sparrow	76
Grasshopper	67	Lizard	76	Plover	76	Spider	67
Halcyon	120	Magpie	76	Rattler	76	Thrush	76
Harrier	120	Niger	91	Rattlesnake	67	Widgeon	76
Hazard	120	Partridge	76	Redbreast	76		

SECOND-CLASS GUNBOATS.

Albacore	59	Espoir	} Fitting out as a Coal Haul-about.	Linnet	92	Starling	61
Banterer	61	Firebrand		61	Mistletoe	} Boom Defence removed from Navy List.	Swift ... ..	92
Bullfrog	61	Firefly	61	Raven	62		Watchful... ..	59
Cockchafer	61	Firm	} Boom Defence removed from Navy List.	Skylark	30	Wrangler	61
		Falcon					

Falcon Non-effective, appropriated to Torpedo Range, Devonport.

STEAMERS AVAILABLE AS ARMED CRUISERS OR TRANSPORTS.



Royal and United States Mail Steamers (H.M. Mercantile Armed Cruisers)
"MAJESTIC" and "TEUTONIC."
WHITE STAR LINE.

Photo by WEST & SUN, Southsea.

Tonnage, 10,000. Length, 582 ft. Breadth, 58 ft. Draught, 39 ft. 4 in. Speed, 20 knots. Displacement at 26 ft. draught, 15,000 tons. Indicated H.P., 18,000. Coal, 2,400 tons. Where built, Belfast. Builders and Engines, Harland & Wolff. Launched, January, 1889. Accommodation for Troops, 2,000. Armament, twelve 5-in. Q.F. Breech-loaders.

BRITISH TORPEDO BOATS.

FIRST CLASS.

Boats.	NUMBERS.	Displace- ment.	Indicated H. P.	Length.	Breadth.	Draught.	Speed.	Compl.	Tubes.	Launched.	Coal.	Where Built.
1	1	27	460	84.6	10.9	5.0	19	15	1	1877	6	Messrs. J. T. Thornycroft & Co.
9	2 to 9	28	450	87.0	10.9	4.0	20	15	1	1878-79	7	
1	10	28	450	90.5	10.9	4.0	21 $\frac{1}{2}$	15	1	1890	7	
2	11 to 12	28	450	87.0	10.9	4.0	20	15	1	1889	7	
2	21 to 22	63	730	113.0	12.5	5.7	20	15	3	1885	10	
5	25 to 29	60	600	127.5	12.5	6.2	21	15	4	1886	10	
20	41 to 60	60	700	127.5	12.5	6.2	21	15	4	1886	20	
2	91 to 92	130	2,000	140.0	15.5	7.3	23 $\frac{1}{2}$	18	3	1894	20	
1	93	130	2,000	140.0	15.5	7.3	23 $\frac{1}{2}$	18	3	1893	20	
1	14	33	550	87.0	11.0	4.5	22	15	2	1878	7		Messrs. Yarrow & Co.
2	17 to 18	33	450	87.0	11.0	4.5	21	15	2	1878	7	
2	23 to 24	67	600	113.0	12.5	5.5	19 $\frac{1}{2}$	15	3	1885-86	10	
4	30 to 33	60-66	670	125.0	13.0	5.5	19 $\frac{1}{2}$	15	5	1886	20	
17	61 to 74, 75 to 78 ...	75	700	125.0	13.0	5.5	19 $\frac{1}{4}$	15	5	1886	20	
1	79	75	1,000	125.0	13.0	5.5	22 $\frac{1}{4}$	15	5	1886	20	
1	80	105	1,540	135.0	14.0	6.0	23	21	5	1887	30	
4	84 to 87	85	1,100	130.0	13.3	5.6	23	19	3	1889	20	J. S. White.
2	88 to 89	112	1,600	142.0	14.7	4.0	24	18	3	1894	20	
1	90	100	1,430	140.0	14.4	3.7	24	18	3	1895	18	
2	82 to 83	Lambeth. Purchased, &c. Laird Bros.
1	19	28	460	87.0	10.9	4.0	21	15	2	1878	7	
1	20	28	360	87.0	10.0	4.0	16 $\frac{3}{4}$	15	2	1880	7	
5	34 to 38	60	950	125.0	14.6	4.0	18 $\frac{1}{2}$	15	5	1886	20	
1	81	125	1,400	150.0	17.5	6.5	19	25	3	1883	35	
3	94 to 96	130	2,000	140.0	15.5	6.2	23	18	3	1895	25	
1	13	28	460	87.0	10.9	4.0	21	15	2	1878	7	
2	39 to 40	40	500	100.0	...	...	20	15	1	1886	7
1	97	130	2,000	140.0	15.5	6.2	23	18	3	1893	30	
1	15	98	450	87.0	10.9	4.0	21	15	2	1878	7	



S.S. "OPHIR."

ORIENT STEAM NAVIGATION COMPANY.

Builders and Engines, R. Napier & Sons, Glasgow. Built, 1891.

Displacement, 10,550 tons. Indicated H.P., 9,500. Speed, 18 knots. Length, 482 ft. Breadth, 53 ft. 6 in. Draught, 37 ft.

Capacity for Coal :—Could be driven at full speed for distance of 14,000 miles, or a cruising speed of 10 knots per hour for 130 consecutive days.

Complement of Crew, 225. Accommodation for Troops, 3 500, with Baggage, &c.

BRITISH TORPEDO BOATS—continued.
SECOND CLASS.

Boats.	NUMBERS.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Dranght.	Speed.	Compt.	Tubes.	Launched.	Coal.	
12	51 to 62	...	...	60.5	7.5	3.5	15.5	7	2	1878-79	1
10	64 to 73	...	...	60.5	7.5	3.5	16.5	7	2	1880-81	1
15	76 to 95	...	...	63.0	7.5	3.5	16.5	7	2	1882-83	1
1	98	...	...	66.3	7.5	3.5	12	7	2	1883	1
2	99 to 100	...	...	64.0	8.0	3.6	16	7	2	1886	1
11	38 to 48	...	16½	230	60.0	9.2	3.7	16.5	7	1	1869	1
2	49 to 50	...	15	200	60.0	8.5	3.0	17	7	1	1889	1
4	74, 75, 96, 97	...	12	220	62.0	7.6	3.6	16	7	2	1883	1
1	63	...	...	60.0	9.2	3.8	15	7	2	1879	1
9	1 to 9	...	...	...	...	...	...	...	...	...	...

SPECIAL SERVICE SHIPS.

SUBMARINE MINING BOATS.

FIFTEEN MINER BOATS (1 to 15).
LORD HEATHFIELD.
EMPRESS.

GORDON.
BURGOYNE.
DUNDAS.

SOLENT. VICTOR.
SIR JOHN JONES.
SIR RICHARD FLETCHER.

EXTRA SPECIAL SERVICE.

SIR WILLIAM REID.
GENERAL ELLIOT.

SIR FRANCIS HEAD.
STANHOPE.

SIR WILLIAM GREEN.
DRAKE.

WAR OFFICE STEAMERS.

LORD PANMURE.

MARQUIS OF HARTINGTON.

WAR OFFICE SAILING SHIPS.

MARLBOROUGH.

SEBASTOPOL.

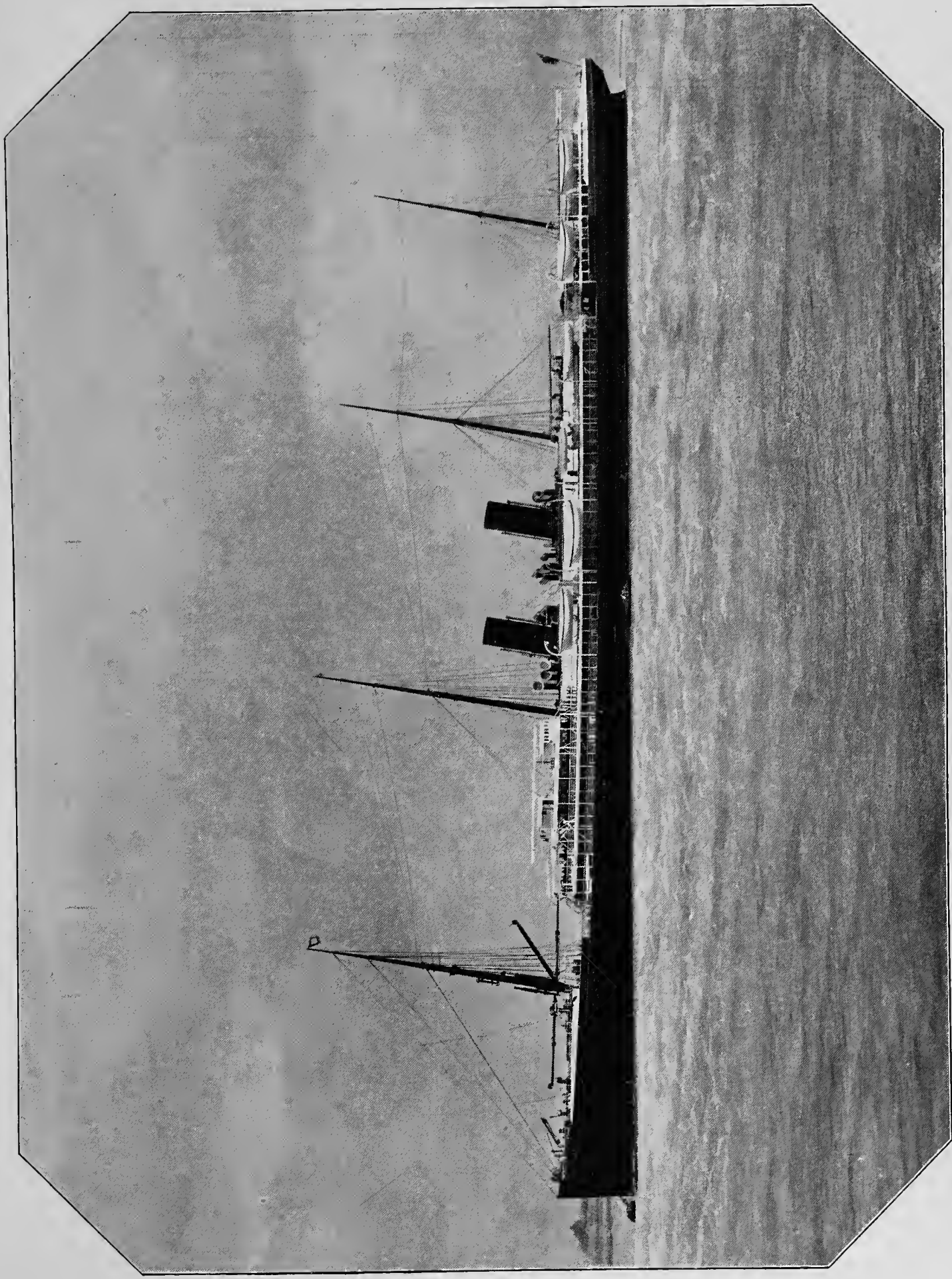
BOMARSUND.

LORD VIVIAN.

COLONIAL TORPEDO BOATS.

NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Dranght.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
VICTORIA , Childers ...	65	730	113.0	12.5	5.9	20	12	...	1883	10	J. T. Thornycroft & Co. Messrs. Yarrow & Co. J. T. Thornycroft & Co.
One Boat ...	82	1,150	130.0	13.5	5.7	23	19	3	1891	20	
Nepean and Lonsdale ...	12	150	63.0	7.5	3.2	17½	7	1	1884	...	
NEW SOUTH WALES. Acheron and Avernus ...	16	300	...	...	...	16	...	...	1879	...
QUEENSLAND. Mosquito ...	12	150	63.0	7.5	3.2	17	7	1	1884	...	
Wasp ...	12	150	63.0	7.5	3.2	17	7	...	1884	...	
TASMANIA , One Boat	12	150	63.0	7.5	3.2	17	7	1	1884	...	
NEW ZEALAND. No. 1 to 4 ...	12	170	63.0	7.5	3.2	17	7	...	1884	...	
INDIA , No. 1 to 3 ...	96	1,270	134.5	14.8	7.1	23.2	...	5	1888	...	
No. 4 to 6 ...	95	1,050	130.0	14.6	7.0	20	...	...	1889	...
No. 7 ...	92	1,050	130.4	14.0	6.9	21	...	...	1888	...

J. S. White.
Hanna, Donald & Wilson.



S.S. "ORMUZ."

ORIENT STEAM NAVIGATION COMPANY.

Builders and Engines, The Fairfield Shipbuilding & Engineering Company, Limited. Built Glasgow, 1889.
Displacement, 10,500 tons. Indicated H.P., 8,500. Speed, 17½ knots. Length, 481 ft. Breadth, 52 ft. Draught, 37 ft.
Complement of Crew, 175. Accommodation for Troops, 3,000, with Baggage, &c.

BRITISH.

1st CLASS BATTLESHIPS.

Names.	Tons.	Ind. H.P.	Guns. *	Speed.
Anson ...	10,600	11,500 F.D.	10	16½
Barfleur ...	10,500	13,163 "	14	18
Benbow ...	10,600	11,500 "	12	16½
Camperdown ...	10,600	11,500 "	10	16½
Centurion ...	10,500	13,214 "	14	18
Cæsar ...	14,900	12,000 " abt.	16	17
Collingwood ...	9,500	9,570 "	10	16
Empress of India	14,150	13,000 "	14	17
Hannibal ...	14,900	12,000 " abt.	16	17
Hood ...	14,150	13,000 "	14	17
Howe ...	10,300	11,500 "	10	16½
Illustrious ...	14,900	12,000 " abt.	16	17
Jupiter ...	14,900	12,000 " abt.	16	17
Magnificent ...	14,900	12,140 "	16	17
Majestic ...	14,900	12,450 "	16	17
Mars ...	14,900	12,000 " abt.	16	17
Nile ...	11,940	12,000 " abt.	10	16
Prince George ...	14,900	12,000 "	16	17
Ramillies ...	14,150	13,000 "	14	17
Renown ...	12,350	12,000 " abt.	14	17½
Repulse ...	14,150	13,000 "	14	17
Resolution ...	14,150	13,000 "	14	17
Revenge ...	14,150	13,000 "	14	17
Rodney ...	10,300	11,500 "	10	16
Royal Oak ...	14,150	13,312 "	14	17
Royal Sovereign	14,150	14,000 "	14	17
Sans Pareil ...	10,470	13,000 "	15	16½
Trafalgar ...	11,940	12,000 " abt.	10	16
Victorious ...	14,900	12,000 " abt.	16	17
Total ...	376,900	356,349	395	17·03 Average.

2ND CLASS BATTLESHIPS.

Agamemnon ...	8,660	4,500 N.D.	6	12
Ajax ...	8,660	4,500 "	6	12
Alexandria ...	9,490	7,000 "	18	14½
Colossus ...	9,420	7,500 F.D.	9	14
Devastation ...	9,330	7,000 "	4	14
Dreadnought ...	10,820	6,500 N.D.	4	13½
Edinburgh ...	9,420	5,500 "	9	14
Inflexible ...	11,880	6,500 "	12	12½
Neptune ...	9,310	6,000 "	6	13½
Superb ...	9,170	8,500 F.D.	22	15
Temeraire ...	8,540	6,500 "	14	13½
Thunderer ...	9,330	7,000 "	4	13½
Total ...	114,030	77,000	114	13·5 Average.

3RD CLASS BATTLESHIPS.

Audacious ...	6,010	3,300 N.D.	18	11½
Bellerophon ...	7,550	4,000 "	20	12
Conqueror ...	62,00	6,000 F.D.	6	15
Hercules ...	8,680	8,500 "	20	14½
Hero ...	6,200	6,000 "	6	15
Invincible ...	6,010	3,300 N.D.	16	12
Iron Duke ...	6,010	3,500 F.D.	14	12
Monarch ...	8,320	8,000 "	7	14
Sultan ...	9,290	8,000 "	16	14
Swiftsure ...	6,910	3,500 "	18	12½
Triumph ...	6,640	3,500 "	14	12½
Total ...	77,820	57,600	155	13·18

1st CLASS CRUISERS.

<i>a</i> <i>y</i> <i>u</i> .	Names.	Tons.	Ind. H.P.	Guns. *	Speed.
<i>a</i>	Achilles ...	9,820	4,000 N.D.	16	13½
<i>a</i>	Agincourt ...	10,600	4,000 "	17	14
	Andromeda ...		Building.		
<i>a</i>	Aurora ...	5,600	8,500 F.D.	12	18
<i>a</i>	Australia ...	5,600	8,500 "	12	18
<i>a</i>	Black Prince... ..	9,210	4,000 N.D.	28	13½
<i>u</i>	Blake ...	9,000	20,000 F.D.	12	21
<i>v</i>	Blenheim ...	9,000	21,410 "	12	21
<i>u</i>	Crescent ...	7,700	12,000 "	13	19½
	Diadem ...		Building.		
<i>u</i>	Edgar... ..	7,350	12,000 F.D.	12	20
<i>u</i>	Endymion ...	7,350	12,000 "	12	20
	Europa ...		Building.		
<i>a</i>	Galatea ...	5,600	8,500 F.D.	12	18
<i>u</i>	Gibraltar ...	7,700	12,000 "	12	19½
<i>u</i>	Grafton ...	7,350	12,000 "	12	20
<i>u</i>	Hawke ...	7,350	12,000 "	12	20
<i>a</i>	Immortalite ...	5,600	8,500 "	12	18
<i>a</i>	Imperieuse ...	8,400	10,000 "	14	16½
<i>a</i>	Minotaur ...	1,069	4,000 N.D.	21	14
<i>a</i>	Narcissus ...	5,600	8,500 F.D.	12	18
<i>a</i>	Nelson ...	7,630	5,500 N.D.	16	14
	Niobe ...		Building.		
<i>a</i>	Northampton ...	7,630	4,500 N.D.	12	13
<i>a</i>	Northumberland ...	10,780	4,000 "	35	14
<i>a</i>	Orlando ...	5,600	8,500 F.D.	12	18
<i>u</i>	Powerful ...	14,200	25,000 N.D.	14	23
<i>u</i>	Royal Arthur ...	7,700	12,000 F.D.	13	19½
<i>u</i>	St. George ...	7,700	12,000 "	12	19½
<i>a</i>	Shannon ...	5,390	2,500 N.D.	9	12
<i>u</i>	Terrible ...	14,200	25,000 "	14	23
<i>u</i>	Theseus ...	7,350	12,000 F.D.	12	20
<i>a</i>	Undaunted ...	5,600	8,500 "	12	18
<i>a</i>	Warrior ...	9,210	4,000 "	32	14
<i>a</i>	Warspite ...	8,400	10,000 F.D.	14	16½
	Total ...	250,289	315,410	460	17·64 Average.

2ND CLASS CRUISERS.

Active ...	3,080	2,400 N.D.	12	19½
Æolus ...	3,600	9,000 F.D.	8	19½
Amphion ...	4,300	5,000 N.D.	10	17
Andromache ...	3,400	9,000 F.D.	8	20
Apollo ...	3,400	9,000 "	8	20
Arethusa ...	4,300	5,000 N.D.	10	17
Arrogant ...		Building.		
Astræa ...	4,360	9,000 F.D.	10	19½
Boadicea ...	4,140	4,500 N.D.	14	14½
Bonaventure ...	4,360	9,000 F.D.	10	19
Brilliant ...	3,600	9,000 "	8	19½
Cambrian ...	4,360	9,000 "	10	19
Charybdis ...	4,360	9,000 "	10	19
Diana... ..	5,600	9,600 "	11	19½
Dido ...	5,600	9,600 "	11	19½
Doris ...	5,600	9,600 "	11	19½
Eclipse ...	5,600	9,600 "	11	19½
Flora ...	4,360	9,000 "	10	19
Forte ...	4,360	9,000 "	10	19
Forth ...	4,050	5,700 "	12	16½
Fox ...	4,360	9,000 "	10	19
Furious ...		Building.		
Hermione ...	4,360	9,500 F.D.	10	22
Carried forward ...	91,150	169,500	214	396

* For description of Guns, see account of Ships.

BRITISH—continued.

2nd CLASS CRUISERS—continued.

<i>a</i> <i>g</i> <i>u.</i>	Names.	Tons.	Ind. H.P.	Guns. *	Speed.
	Brought forward ...	91,150	169,500	214	396
	Inconstant ...	5,780	4,200	16	16
	Indefatigable ...	3,600	9,000 F.D.	8	19½
	Intrepid ...	3,600	9,000 „	8	19½
	Iphigenia ...	3,600	9,000 „	8	19½
	Iris ...	3,730	6,000 N.D.	13	18
	Isis ...	5,600	9,600 F.D.	11	19½
	Juno ...	5,600	9,600 „	11	19½
	Latona ...	3,400	9,000 „	8	20
	Leander ...	4,300	5,000 N.D.	10	16½
	Melampus ...	3,400	9,000 F.D.	8	19½
	Mercury ...	3,730	6,000 N.D.	13	16½
	Mersey ...	4,050	6,000 F.D.	12	17
	Minerva ...	5,600	9,600 „	11	19½
	Naiad... ..	3,400	9,000 „	8	20
	Phaeton ...	4,300	5,000 N.D.	10	16½
	Pique ...	3,600	9,000 F.D.	8	19½
	Rainbow ...	3,600	9,000 „	8	19½
	Raleigh ...	5,200	4,200 N.D.	24	13½
	Retribution ...	3,600	9,000 F.D.	8	19½
	Sappho ...	3,400	9,000 „	8	20½
	Scylla... ..	3,400	9,000 „	8	20½
	Severn ...	4,050	6,000 „	12	17
	Sirius... ..	3,600	9,000 „	8	19½
	Spartan ...	3,600	9,000 „	8	19½
	Sybillc ...	3,400	9,000 „	8	20
	Talbot ...	5,600	9,600 „	11	19½
	Terpsichore ...	3,400	9,000 „	8	20
	Thames ...	4,050	5,700 „	12	16½
	Thetis ...	3,400	9,000 „	8	20
	Tribune ...	3,400	9,000 „	8	20
	Venus ...	5,600	9,600 „	11	19½
	Volage ...	3,080	2,400	12	12½
	Total ...	220,820	421,000	539	18·7

3RD CLASS CRUISERS.

Archer ...	1,770	3,500	6	16½
Alacrity ...	1,760	3,000	4	16
Barham ...	1,830	4,700	6	18½
Barracouta ...	1,580	3,000	6	16
Barrosa ...	1,580	3,000	6	16
Bellona ...	1,830	4,700	6	17½
Blanche ...	1,580	3,000	6	16½
Bloude ...	1,580	3,000	6	16½
Brisk ...	1,770	3,500	6	16½
Calliope ...	2,770	4,000	16	14½
Calypso ...	2,770	4,000	16	14½
Canada ...	2,380	2,000 N.D.	10	13
Caroline ...	1,420	1,400	14	12½
Carysfort ...	2,380	2,000 N.D.	9	13
Champion ...	2,380	2,000 „	12	13
Cleopatra ...	2,380	2,000 „	12	13
Comus ...	2,380	2,000 „	10	13
Conquest ...	2,380	2,000 „	9	13
Constance ...	2,380	2,000 „	14	13
Cordelia ...	2,380	2,000 „	10	13
Cossack ...	1,770	3,500	6	16½
Curacoa ...	2,380	2,000 N.D.	12	13
Fearless ...	1,580	3,200	4	16½
Garnet ...	2,120	1,800 N.D.	14	11½
Heroine ...	1,420	1,400	8	12
Carried forward ...	50,550	67,700	228	365

3rd CLASS CRUISERS—continued.

<i>a</i> <i>g</i> <i>u.</i>	Names.	Tons.	Ind. H.P.	Guns. *	Speed.
	Brought forward ...	50,550	67,700	228	365
	Hyacinth ...	1,420	1,400	8	12
	Katoomba ...	2,575	7,500	8	19
	Magicienne ...	2,950	9,000	6	19
	Marathon ...	2,950	9,000	6	19
	Medca ...	2,800	9,000	6	19
	Medusa ...	2,800	9,000	6	19
	Melpomene ...	2,950	9,000	6	19
	Mildura ...	2,575	7,500	8	19
	Mohawk ...	1,770	3,500	6	16½
	Pallas ...	2,575	7,500	8	19
	Pearl ...	2,575	7,500	8	19
	Pelorus ...		Building		
	Philomel ...	2,575	7,500	8	19
	Phœbe ...	2,575	7,500	8	19
	Porpoise ...	1,770	3,500	6	16½
	Proserpine ...		Building		
	Pylades ...	1,420	1,400	14	12
	Racoon ...	1,770	4,500	6	17½
	Rapid ...	1,420	1,400	12	12
	Ringarooma ...	2,575	7,500	8	19
	Royalist ...	1,420	1,400	12	12
	Ruby ...	2,120	1,800 N.D.	12	12
	Satellite ...	1,420	1,400	8	12
	Scout ...	1,580	3,200	4	16½
	Surprise ...	1,650	3,000	4	16½
	Tartar ...	1,770	3,500	6	16½
	Tauranga ...	2,575	7,500	8	19
	Tourmaline ...	2,120	1,800 N.D.	12	12
	Wallaroo ...	2,575	7,500	8	19
	Total ...	109,825	213,000	440	15·67 Average.

COAST DEFENCE SHIPS (ARMOURED).

Names.	Tons.	Ind. H.P.	Guns. *	Speed
Abyssinia ...	2,900	900 N.D.	4	9
Belleisle ...	4,870	2,600 „	4	12½
Cerberus ...	3,480	1,660 „	4	9½
Cyclops ...	3,560	1,200 „	4	10
Glatton ...	4,910	2,000 „	2	11
Gorgon ...	3,560	1,200 „	4	10
Hecate ...	3,560	1,200 „	4	10
Hotspur ...	4,010	2,500 „	4	11½
Hydra ...	3,560	1,200 „	4	10
Magdala ...	3,340	1,400 „	4	10
Orion ...	4,870	2,600 „	4	11½
Penelope ...	4,470	2,700 „	8	11½
Prince Albert ...	3,880	1,300 „	4	9½
Rupert ...	5,440	6,000 F.D.	4	14
Scorpion ...	2,750	1,000 N.D.	4	8½
Wivern ...	2,750	1,000 „	4	8½
Total ...	61,910	30,460	66	10·43 Average.

COAST DEFENCE GUNBOATS.

Ant ...	254	110	1	
Arrow ...	254	110	1	
Badger ...	254	110	1	
Carried forward ...	762	330	3	

* For description of Guns, see account of Ships.

BRITISH—continued.

COAST DEFENCE GUNBOATS—continued.

Names.	Tons.	Ind. H.P.	Guns. *	Speed.
Brought forward ...	762	330	3	
Blazer ...	254	110	1	
Bloodhound ...	254	110	1	
Bonetta ...	254	110	1	
Bouncer ...	265	110	1	
Bulldog ...	254	110	1	
Bustard ...	254	110	1	
Comet ...	254	110	2	
Cuckoo ...	254	110	1	
Dee ...	363	200	3	
Don ...	363	200	3	
Esk ...	363	200	3	
Fidget ...	254	110	1	
Gadfly ...	265	110	1	
Griper ...	265	110	1	
Hyæna ...	254	110	1	
Insolent ...	265	110	1	
Kite ...	254	110	2	
Mastiff ...	254	110	3	
Medina ...	363	200	3	
Medway ...	363	200	3	
Pickle ...	254	110	1	
Pike ...	254	110	1	
Pincher ...	265	110	1	
Plucky ...	195	90	2	
Sabrina ...	363	200	3	
Scourge ...	254	110	1	
Slaney ...	363	200	3	
Snake ...	254	110	1	
Snap ...	254	110	1	
Spey ...	363	200	3	
Stannch ...	180	60	1	
Tay ...	363	200	3	
Tees ...	363	200	3	
Tickler ...	265	110	1	
Trent ...	363	200	4	
Tweed ...	363	200	3	
Weazel ...	254	110	1	
Total ...	10,401	5,410	70	

1ST CLASS GUNBOATS.

Bramble ...	715	1,000 F.D.	6	13
Curlew ...	950	1,200 "	4	14½
Dryad ...	1,070	3,500 "	2	19
Goldfinch ...	800	1,200 "	6	13
Grasshopper ...	525	2,700 "	1	19
Halcyon ...	1,070	3,500 "	2	19
Harrier ...	1,070	3,500 "	2	19
Hazard ...	1,070	3,500 "	2	19
Hussar ...	1,070	3,500 "	2	19
Jason ...	810	3,540 "	2	19½
Landrail ...	950	1,200 "	4	14½
Lapwing ...	805	1,200 "	6	13½
Lizard ...	715	1,000 "	6	13
Magpie ...	805	1,200 "	6	13
Niger ...	810	3,784 "	2	19½
Partridge ...	755	1,200 "	6	13
Peacock ...	755	1,200 "	6	13
Pheasant ...	755	1,200 "	6	13
Pigeon ...	755	1,200 "	6	13
Pigmy ...	755	1,200 "	6	13
Carried forward ...	17,010	41,524	83	312½

1st CLASS GUNBOATS—continued.

Names.	Tons.	Ind. H.P.	Guns. *	Speed.
Brought forward ...	17,010	41,524	83	312½
Plover ...	755	1,200 F.D.	6	13
Rattler ...	715	1,200 "	6	13½
Rattlesnake ...	550	2,700 "	1	18
Redbreast ...	805	1,200 "	6	13
Redpole ...	805	1,200 "	6	13
Ringdove ...	805	1,200 "	6	13
Sandfly ...	525	2,700 "	1	18½
Sparrow ...	805	1,200 "	6	13
Spider ...	525	2,700 "	1	19
Thrush ...	805	1,200 "	6	13
Widgeon ...	805	1,200 "	6	13
Total ...	24,915	59,224	134	15.25 Average.

2ND CLASS GUNBOATS.

Names.	Tons.	Ind. H.P. (nom.)	Guns. *	Speed.
Albacore ...	560	500	4	10½
Banterer ...	465	360	2	9½
Bullfrog ...	465	360	2	9½
Cockchafer ...	465	360	4	9½
Espoir ...	465	360	4	9½
Falcon ...	780	720	2	11
Firebrand ...	455	360	4	9½
Firefly ...	455	360	2	10
Firm ...	455	360	2	10
Grappler ...	465	360	2	9½
Linnæus ...	756	870	2	12
Mistletoe ...	560	500	4	10½
Raven ...	465	360	4	9½
Skylark ...	284	180	6	9
Starling ...	465	360	4	9½
Swift ...	756	870	2	12
Watchful ...	560	500	4	11
Wrangler ...	465	360	4	9½
Total ...	9,441	8,100	58	10.15 Average.

1ST CLASS TORPEDO GUNBOATS.

Names.	Tons.	Ind. H.P.	Guns. *	Speed.
Alarm ...	810	3,500	2	20
Antelope ...	810	3,500	2	20
Assaye ...	735	3,500	2	20
Boomerang ...	735	3,500	2	20
Circe ...	810	3,500	2	20
Gleaner ...	735	3,500	2	20
Gossamer ...	735	3,500	2	20
Hebe ...	810	3,500	2	20
Jaseur ...	810	3,500	2	20
Karakatta ...	735	3,500	2	20
Leda ...	810	3,500	2	20
Onyx ...	810	3,500	2	20
Plassy ...	735	3,500	2	20
Renard ...	810	3,500	2	20
Salamander ...	735	3,500	2	20
Seagull ...	735	3,500	2	20
Carried forward ...	12,360	56,000	32	320

* For description of Guns, see account of Ships.

BRITISH—continued.

1st CLASS TORPEDO GUNBOATS—continued.

Names.	Tons.	Ind. H.P.	Guns. *	Speed.
Brought forward ...	12,360	56,000	32	320
Sharpshooter ...	735	3,500	2	20
Sheldrake ...	735	3,500	2	20
Skipjack ...	735	3,500	2	20
Spanker ...	735	3,500	2	20
Speedwell ...	735	3,500	2	20
Speedy ...	810	3,500	2	20
Total ...	16,845	77,000	44	20 Average.

TORPEDO BOAT DESTROYERS.

Names.	Tons.	F.D. I.H.P.	Guns. *	Speed.
Ardent ...	250	3,800	6	27
Banshee ...	250	4,400	6	27
Boxer ...	250	3,800	6	27
Bruiser ...	250	3,800	6	27
Charger ...	220	3,200	6	26
Conflict ...	250	4,500	6	28
Contest ...	250	4,400	6	28
Daring ...	220	3,500	4	27
Dasher ...	220	3,200	6	26
Decoy ...	220	3,500	4	27
Dragon ...	250	4,400	6	28
Ferret ...	220	3,600	4	26
Fervent ...	220	3,850	6	26
Handy ...	245	4,000	6	27
Hardy ...	245	4,000	6	27
Hart ...	245	4,000	6	27
Hasty ...	220	3,200	6	26
Haughty ...	245	4,000	6	27
Havock ...	220	3,300	4	26
Hornet ...	220	3,300	4	27
Hunter ...	245	4,000	6	27
Janus ...	220	3,900	6	27
Lightning ...	220	3,900	6	27
Lynx ...	220	3,600	4	27
Opossum ...	245	4,000	6	27
Porcupine ...	220	3,900	6	27
Ranger ...	245	4,000	6	27
Rocket ...	245	4,000	6	27
Salmon ...	250	4,000	6	27
Shark ...	245	4,000	6	27
Skate ...	240	4,000	6	27
Snapper ...	250	4,000	6	27
Spitfire ...	245	4,000	6	27
Starfish ...	245	4,000	6	27
Sturgeon ...	245	4,000	6	27
Sunfish ...	245	4,000	6	27
Surly ...	245	4,000	6	27
Swordfish ...	264	4,000	6	27
Teazer ...	264	4,500	6	28
Wizard ...	250	4,500	6	28
Zebra ...	250	4,500	6	28
Zephyr ...	220	3,850	6	26
20 New Building at Higher Speeds ...				
Total ...	10,028	164,400	240	26.97 Average.

SLOOPs.

Names.	Tons.	I.H.P.	Guns. *	Speed.
Acorn ...	970	850	8	12
Alert ...	960	1,109	6	13
Algerine ...	1,050	1,100	6	13
Basilisk ...	1,170	1,400	8	14½
Beagle ...	1,170	1,400	8	14½
Buzzard ...	1,140	1,400	8	14½
Daphne ...	1,140	1,400	8	14½
Dolphin ...	925	750	4	11
Espiegle ...	1,130	800	10	11½
Gannet ...	1,130	800	7	11
Icarus ...	970	1,230	8	12
Mariner ...	970	850	8	11½
Melita ...	970	1,200	8	12½
Mutiné ...	1,130	800	10	12
Nymphe ...	1,140	2,000	8	14½
Pelican ...	1,130	800	8	12
Phoenix ...	1,050	1,100	6	14
Racer ...	970	850	8	11½
Reindeer ...	970	850	6	11½
Swallow ...	1,130	1,570	8	13½
Torch ...	960	1,400	6	13
Wild Swan ...	1,130	800	8	11
Two New Sloops ...	1,050	1,100	6	...
Total ...	25,405	26,659	177	12.66 Average.

SPECIAL SERVICE VESSELS.

Names.	Tons.	F.D. I.H.P.	Guns. *	
Alecto ...	620	350	2	
Cockatrice ...	600	390	2	
Egeria ...	940	700	4	
Enchantress ...	1,000	1,100		
Excellent ...	508	380	1	Screw Gunboat.
Fanny ...	357	150	2	" "
Fire Queen ...	446	500		
Hawk ...	520	400		
Hearty ...	1,300	2,100	2	
Hecla ...	6,400	2,400	6	
Imogene ...	460	390		
Jackal ...	750	1,200		
Magnet ...	430	650		
Palumia ...		340		Colonial Gunboat.
Penguin ...	1,130	700	2	
Polyphemus ...	2,640	3,000		Torpedo Ram.
Rambler ...	835	650	2	
Redwing ...	461	360	2	
Seahorse ...	670	1,100		
Sphinx ...	1,130	1,100	5	
Surprise ...	1,650	2,000	4	Despatch.
Traveller ...	700	1,100		
Vesuvius ...	240	350		Special Torpedo Vessel.
Vivid ...	550	425		
Vulcan ...	6,620	7,200	8	Special Torpedo Vessel.
Wave ...	308	250		
Wildfire ...	453	360		

* For description of Guns, see account of Ships.

FRENCH.

1st CLASS BATTLESHIPS.

Names.	Dispt.	Ind. H.P.	Guns. *	Speed.
Amiral Baudin ...	11,380	8,320	15	15
Amiral Duperré ...	10,487	8,120	19	14 $\frac{1}{4}$
Bouvet ...	12,200	13,000	20	17 $\frac{1}{2}$
Brennus ...	11,000	14,000	13	17 $\frac{1}{2}$
Charles Martel ...	11,882	13,500	12	17 $\frac{1}{2}$
Charlemagne ...	11,232	14,000	20	18
Courbet ...	9,652	8,100	14	15 $\frac{1}{2}$
Dévastation ...	9,639	8,320	14	15 $\frac{1}{4}$
Formidable ...	11,441	9,700	15	16 $\frac{1}{4}$
Henri IV. ...	11,232	14,000	20	18
Hoche ...	10,650	11,300	22	16
Jauréguibery ...	11,824	14,200	12	17 $\frac{1}{2}$
Lazare Carnot ...	12,008	15,000	12	17 $\frac{1}{2}$
Magenta ...	10,600	12,000	21	16 $\frac{1}{4}$
Marceau ...	10,581	12,000	21	16 $\frac{1}{2}$
Masséna ...	11,900	12,600	20	17 $\frac{1}{2}$
Neptune ...	10,630	11,045	21	16
St. Louis ...	11,232	14,000	20	18
Total ...	199,570	213,205	311	16.66 Average.

2ND CLASS BATTLESHIPS.

Bouvines ...	6,610	8,400	10	17
Caiman ...	7,200	6,000	6	14 $\frac{1}{2}$
Colbert ...	8,457	4,652	16	14 $\frac{1}{2}$
Friedland ...	8,824	4,428	16	13 $\frac{1}{4}$
Indomptable ...	7,168	6,605	6	14 $\frac{1}{4}$
Redoutable ...	8,860	6,071	14	14 $\frac{1}{2}$
Requin ...	7,200	6,000	6	15
Richelieu ...	8,767	4,006	19	13 $\frac{1}{2}$
Terrible ...	7,713	6,230	6	14 $\frac{1}{2}$
Tréhouart ...	6,610	8,400	10	17
Trident ...	8,456	4,652	16	14 $\frac{1}{2}$
Total ...	86,065	65,444	125	14.82 Average.

3RD CLASS BATTLESHIPS.

Marengo ...	7,748	3,673	15	13 $\frac{1}{2}$
Océan ...	7,750	3,781	16	13 $\frac{1}{2}$
Suffren ...	7,782	4,288	14	14 $\frac{1}{4}$
Thetis ...	3,624	1,859	10	12 $\frac{1}{4}$
Triomphante ...	4,700	2,400	13	12 $\frac{3}{4}$
Victorieuse ...	4,700	2,214	13	12 $\frac{1}{4}$
Total ...	36,304	18,215	81	13.1 Average.

1st CLASS CRUISERS.

Bayard ...	5,986	4,538	12	14
Bruix ...	4,745	8,300	8	19
Cecille ...	5,766	9,600	18	19
Chanzy ...	4,745	8,300	8	19
Chamer ...	4,745	8,300	8	19
D'Entrecasteaux ...	8,114	14,000	14	19
Duquesclin ...	5,894	3,300	9	14
Dupuy de Lôme ...	6,297	14,000	8	20
Carried forward ...	46,292	71,338	85	14.3

1st CLASS CRUISERS—continued.

Names.	Dispt.	Ind. H.P.	Guns. *	Speed.
Brought forward ...	46,292	71,338	85	14.3
Jeanne d'Arc ...	9,000	Building		19
La Galissonnière ...	4,700	2,370	12	13
Latouche Treville ...	4,745	8,300	8	19
Pothuau ...	5,320	10,000	12	20
Tage ...	7,345	10,330	18	19
Turenne ...	6,400	4,160	12	14
Vouban ...	6,150	4,560	11	14
Total ...	89,952	110,058	158	17.4 Average.

2ND CLASS CRUISERS.

Alger ...	4,122	8,254	10	19 $\frac{1}{2}$
Aréthuse ...	3,649	4,200	26	14
Bugeaud ...	3,722	9,000	10	19
Cassard ...	3,972	9,600	10	19 $\frac{1}{4}$
Catinat ...	3,998	9,000	14	19
Chasseloup-Laubat ...	3,722	9,000	10	19 $\frac{1}{4}$
Davout ...	3,027	8,881	10	20
D'Assas ...	3,992	9,600	10	19 $\frac{1}{4}$
Descartes ...	3,980	9,000	14	19
Dubourdieu ...	3,566	3,300	16	14
Duchayla ...	3,992	9,600	10	19 $\frac{1}{4}$
Duguay Trouin ...	3,661	3,740	10	16
Duquesne ...	5,824	6,589	21	17
E 4 ...	3,800			19
" 5 ...	3,800	Building		19 $\frac{1}{4}$
" 6 ...	3,800			19
Friaud ...	3,722	9,000	10	19
G 3 ...	3,740	Building		19
Iphigenie ...	3,346	2,800	20	14 $\frac{1}{2}$
Isley ...	4,160	8,100	10	18
Jean Bart ...	4,160	8,000	10	18
Naiade ...	3,525	3,260	20	13 $\frac{1}{2}$
Pascal ...	3,988	9,000	14	19 $\frac{1}{4}$
Sfax ...	4,502	6,034	16	17
Suchet ...	3,430	9,000	8	20
Tourville ...	5,743	7,466	21	17
Total ...	103,343	162,424	300	18.18 Average.

3RD CLASS CRUISERS.

Beautemps-Beaupré ...	1,246	985	6	12 $\frac{1}{2}$
Coetlogon ...	1,848	5,800	4	19 $\frac{1}{4}$
Cosmao ...	1,877	6,000	4	20 $\frac{1}{2}$
Desaix ...	1,700	1,442	4	14 $\frac{1}{4}$
D'Estaing ...	2,236	3,700	15	15 $\frac{1}{4}$
Duchaffault ...	1,289	1,214	6	12 $\frac{1}{2}$
Dupetit Thouars ...	1,931	2,018	10	15
Eclairer ...	1,658	2,050	8	15
Fabert ...	1,927	1,107	8	12 $\frac{1}{4}$
Fleurus ...	1,310	4,000	5	18
Forbin ...	1,848	6,000	4	20 $\frac{1}{2}$
Forfait ...	2,321	2,764	15	13 $\frac{1}{2}$
Galilée ...	2,317	6,500	6	20
Hirondelle ...	1,200	1,780	2	15 $\frac{1}{2}$
Hugon ...	1,246	1,054	6	11 $\frac{1}{2}$
Carried forward ...	25,954	46,414	103	23.5 $\frac{1}{2}$

* For description of Guns, see account of Ships.

FRENCH—continued.

3rd CLASS CRUISERS—continued.

Names.	Dispt.	Ind. H.P.	Guns. *	Speed.
Brought forward ...	25,954	46,414	103	23 $\frac{1}{2}$
Kerguelen ...	1,235	1,200	6	12 $\frac{1}{2}$
Laclocheterie ...	1,943	1,918	10	13 $\frac{1}{2}$
Lalande ...	1,877	6,000	4	21
Lapérouse ...	2,319	2,280	15	14 $\frac{1}{2}$
Lavoisier ...	2,300	6,600	6	20
Linois ...	2,270	6,600	6	20
Magon ...	2,294	2,462	15	14 $\frac{1}{4}$
Milan ...	1,550	4,132	5	18
Nielly ...	2,257	2,921	15	15
Primaugnet ...	2,270	2,268	15	14 $\frac{1}{2}$
Rigault de Genouilly ...	1,713	2,050	8	14 $\frac{1}{2}$
Roland ...	2,819	2,700	15	14 $\frac{1}{2}$
Segond ...	1,264	894	6	11 $\frac{1}{4}$
Surcoup ...	1,848	6,000	4	20 $\frac{1}{2}$
Troude ...	1,877	6,000	4	20 $\frac{1}{2}$
Vantour ...	1,280	3,200	5	17 $\frac{1}{4}$
Villars ...	2,419	2,380	15	14
Wattignies ...	1,310	4,189	5	18 $\frac{1}{2}$
Total ...	60,699	11,208	262	16·07 Average.

COAST DEFENCE GUNBOATS.

Cocyste ...	1,640	1,700	4	13
Flamme ...	1,046	1,500	2	13
Fusée ...	1,150	1,500	2	13
Grenade ...	1,046	1,500	2	13 $\frac{1}{2}$
Mitraille ...	1,130	1,500	2	13
Phlégéton ...	1,790	1,700	2	12 $\frac{1}{2}$
Styx ...	1,790	1,700	2	13
Total ...	9,592	11,000	16	13 Average.

UNARMoured GUNBOATS.

Aspic ...	480	453	2	10 $\frac{1}{4}$
Capricorne ...	480	443	2	11
Comète ...	473	450	4	12
Crocodile ...	466	441	1	10 $\frac{1}{2}$
Dumont d'Urville ...	825	850	5	11 $\frac{1}{2}$
Etoile ...	502	450	6	10
Fulton ...	811	850	3	13
Gabes ...	490	450	4	11
Huzzard ...	825	850	4	12
Lion ...	473	576	2	11 $\frac{3}{4}$
Lutin ...	474	373	4	10
Lynx ...	474	427	4	10 $\frac{1}{4}$
Météore ...	473	450	2	10
Papin ...	811	850	3	13
Parseval ...	860	817	4	12 $\frac{1}{4}$
Sagittaire ...	450	427	4	11
Scorpion ...	473	450	2	11
Surprise ...	626	650	2	13
U (1) ...		Building		
Vipere ...	463	427	4	10 $\frac{1}{4}$
Voltigeur ...	851	851	4	12
Total ...	11,880	11,535	66	11·3 Average.

TORPEDO GUN VESSELS.

Names.	Tons.	Ind. H.P.	Guns. *	Speed.
Bambe ...	395	1,800	Small	18 $\frac{1}{2}$
Casabianca ...	945	5,000	1	21 $\frac{1}{2}$
Cassini ...	945	5,000	1	21 $\frac{1}{2}$
Couleuvrine ...	395	1,800	Small	18
Dague ...	395	1,800	"	18
D'Iberville ...	925	5,000	1	21 $\frac{1}{2}$
Drogonne ...	395	1,800	Small	18
Flèche ...	395	1,800	"	18
Lance ...	395	1,800	"	18
Léger ..	450	2,345	1	18 $\frac{1}{2}$
Lévrier ...	450	2,345	1	18 $\frac{1}{2}$
Sainte-Barbe ...	395	1,800	Small	18
Salve ...	395	1,800	"	18
Total ...	6,875	34,090	5	18·92 Average.

TORPEDO CRUISERS.

Condor ...	1,240	3,800	5	17
Epervier ...	1,240	3,200	5	17
Taucon ...	1,240	3,200	5	17
Total ...	3,720	10,200	15	17 Average.

CRUISERS.

TORPEDO DEPOT SHIP.

Foudre ...	5,970	11,400	12	19
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DESPATCH VESSELS.

Bisson ...	827	849	4	11
Chasseur ...	830	850	4	11
Inconstant ...	811	850	3	13
Total ...	2,468	2,549	11	11·66 Average.

COAST DEFENCE TURRET SHIPS.

Bélier ...	3,590	1,921	2	12 $\frac{1}{4}$
Bouldogue ...	3,500	1,827	2	12 $\frac{1}{4}$
Fulminant ...	5,651	4,500	2	13 $\frac{1}{2}$
Furieux ...	6,000	5,033	2	14
Jemmapes ...	6,590	8,400	6	16 $\frac{1}{2}$
Tempête ...	4,869	2,193	2	11 $\frac{3}{4}$
Tonnant ...	5,100	1,935	2	11 $\frac{1}{2}$
Tonnerre ...	5,589	4,165	2	14
Valmy ...	6,590	8,400	6	17
Vengeur ...	4,700	2,030	2	10 $\frac{3}{4}$
Acheron ...	1,640	1,700	4	13
Cocyste ...	1,610	1,700	4	13
Flamme ...	1,046	1,500	2	13
Fusée ...	1,150	1,500	2	13
Grenade ...	1,046	1,500	2	13
Mitraille ...	1,130	1,500	2	13
Phlégéton ...	1,790	1,700	2	12 $\frac{1}{2}$
Styx ...	1,790	1,700	2	13
Total ...	63,411	53,204	48	13·16 Average.

* For description of Guns, see account of Ships.

RUSSIAN.

1ST CLASS BATTLESHIPS.

Names.	Tons.	Ind. H.P.	Guns. *	Speed.
Catherine II. ...	10,180	11,000	13	15½
Georgiy Pobedonosets ...	10,280	10,600	21	16
Navarin ...	9,476	9,000	12	16
New Ship Building ...				
Paris ...	12,480	10,600	20	16
Petropaulowski ...	10,960	10,600	12	17½
Poltava ...	10,960	10,600	12	17½
Sevastopol, June 1, '95	10,960	13,600	12	17½
Sinope... ..	10,180	13,000	13	16½
Tchesmé ...	10,180	11,000	13	15½
Tria Sviatitelia ...	12,480	10,600	20	16
Total	108,136	110,600	148	16·4 Average.

2ND CLASS BATTLESHIPS.

Alexander II. ...	8,440	8,000	14	16
Cizoi Veliki, No. 1 ...	8,880	8,500	10	16
" " No. 2 ...	8,880	8,500	10	16
" " No. 3 ...	8,880	8,500	10	16
Dvenadsatt Apostoloff	8,076	11,500	8	16½
Gangoot ...	6,592	8,300	9	14½
Nicolai I. ...	8,440	8,000	14	14½
Peter the Great ...	8,750	8,258	4	14½
Total	66,938	69,558	79	15·5 Average.

3RD CLASS BATTLESHIP.

Kniaz Pojarski ...	5,007	2,835	10	11
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TORPEDO GUN VESSELS.

Captain Sacken ...	700	3,400	Small	20
Gaidamak ...	500	3,000	"	21
Griden ...	500	3,500	"	22
Kazarsky ...	411	3,400	"	21
Lieutenant Ilyn ...	600	3,500	"	20
Posadnik ...	400	3,000	"	22
Two New Ships ...				
Vovada ...	500	3,000	"	22
Vzadnidk ...	500	3,000	"	22
Total	4,111	25,800		21·25 Average.

COAST DEFENCE SHIPS.

Admiral Chichagoff ...	3,511	2,060	2	10½
Admiral Greig ...	3,593	2,031	3	10
Admiral Lazareff ...	3,556	2,004	3	10
Admiral Outshakoff ...	4,126	5,000	10	16
Admiral Seujavin ...	4,126	4,250	8	16
Admiral Spiridoff ...	3,500	2,007	2	10½
Bronosetz ...	1,482	481	2	7
Charodeika ...	2,026	700	4	8
Edonorog ...	1,407	460	2	7
Gremyastchy ...	1,500	2,000	2	15
General Admiral Apraxia		Building		
Grozyashchy... ..	1,492	2,000	2	15
Knioz Payarski ...	5,007	2,835	4	10½
Kreml ...	3,480	2,822	14	9
Netron-Menya ...	3,494	2,393	14	9
Novgorod ...	2,706	2,000	2	6
Otvanzy ...	1,500	2,000	2	13½
Pervenetz ...	3,279	1,067	15	9
Vice-Admiral Popoff	3,590	3,066	2	8
Total	53,375	39,176	93	10·55 Average.

1ST CLASS CRUISERS.

Names.	Tons.	Ind. H.P.	Guns. *	Speed.
Admiral Nachimoff	7,782	8,000	18	16½
Dimitri Donskoi ...	5,893	7,000	14	15½
General Admiral ...	4,604	4,472	8	12
Gerzog Edinburgski ...	4,604	5,222	9	14
Minin ...	5,740	5,290	16	13
Pamyat Azova ...	6,000	8,000	15	18
Rossia ...	12,130	15,000	26	19
Rossija ...				
Rurik ...	10,923	13,250	26	18
Rurik (No. 3) ...	12,095	15,000	26	19
Vladimir Monomach	5,796	7,000	16	16
Total	75,567	88,234	174	16·1 Average.

2ND CLASS CRUISERS.

Admiral Korniloff ...	5,000	9,000	16	17½
Pamyat Merkuriya ...	3,050	3,000	6	15½
Total	8,050	12,000	22	16·5 Average.

3RD CLASS CRUISERS.

Afrika... ..	2,852	1,350	3	13
Asia ...	2,483	1,100	2	13
Rynda ...	2,950	3,000	10	15
Total	8,285	5,450	15	13·66 Average.

GUN VESSEL CLASS.

Bobr ...	950	1,150	2	12
Chernomoretz ...	1,224	2,000	3	13½
Coreetz ...	1,213	1,500	3	13½
Jermak ...	706	130	2	8
Kubanetz ...	1,224	1,500	3	18½
Laporojetz ...	1,200	1,500	3	13½
Maudjur ...	1,224	1,400	3	13½
Sivootch ...	950	1,125	2	12½
Teretz ...	1,224	1,500	3	13½
Tunguz ...	706	130	4	8
Uraletz ...	1,224	1,500	3	13½
Total	11,845	13,435	31	12·27 Average.

SLOOP CLASS.

Labiyaika ...	1,234	1,470	2	14
Plastun ...	1,255	1,268	3	13
Vjestnik ...	1,255	1,268	3	13
Total	3,744	4,006	8	13·33 Average.

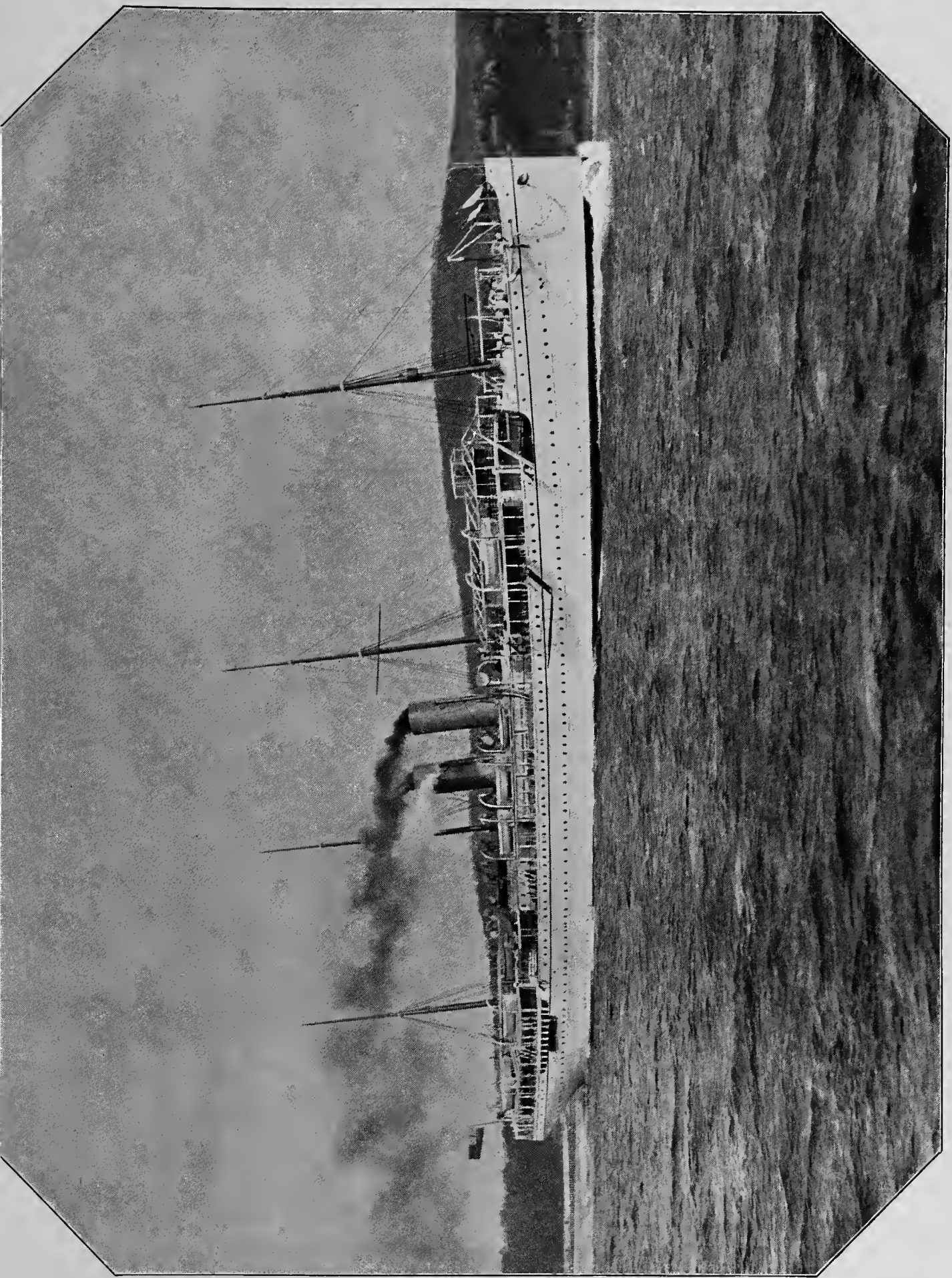
CORVETTE CLASS.

Djigit ...	1,456	1,700	3	13
Donetz ...	1,224	2,000	3	13½
Kreyzer ...	1,542	1,800	2	13
Nayezdnik ...	1,334	1,719	3	13
Oprichnik ...	1,426	1,268	3	12½
Razboynik ...	1,329	1,786	3	13
Strjelok ...	1,343	1,528	3	13
Total	9,654	11,801	20	13 Average.

DESPATCH VESSEL.

Penderaklia ...	1,052	568	3	10
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* For description of Guns, see account of Ships.



From a Photo by ADAMSON, Rothsay.

S.S. "CALEDONIA."

PENINSULAR & ORIENTAL STEAM NAVIGATION COMPANY.

Builders and Engines, Caird & Co., Greenock. Launched, 1895. Displacement, 7,558 tons. Indicated H.P., 11,000. Speed, 18½ knots. Length, 486 ft. Breadth, 54 ft. Draught, 34 ft. 6 in. Coal capacity, sufficient to take ship to Australia and back. Accommodation for Troops, 3,000

ROYAL NAVY.

The number of Officers, Men and Boys, &c., voted for 1895 was 88,850; an increase on last year, which was 83,400.

NAVAL RESERVE.

305 Lieutenants. 374 Sub-Lieutenants. 372 Midshipmen. 25,000 Men.

PRINCIPAL NAVAL PORTS.

Chatham Yard.
Sheerness Yard.
Portsmouth Yard.
Devonport Yard.
Pembroke Yard.
Gibraltar.

Malta.
Halifax.
Bermuda.
Jamaica.
Cape of Good Hope.
Ascension.

Trincomalee.
Hong Kong.
Esquimalt, Vancouver's
[Island].
Sydney.
Portland Breakwater.



From a Photo by ADAMSON, Rotheray.

S.S. "AUSTRALIA."

PENINSULAR & ORIENTAL STEAM NAVIGATION COMPANY.

Builders and Engines, Caird & Co., Greenock. Launched 1894. Displacement, 6,901 tons. Indicated H.P., 10,000. Speed, 18 knots. Length, 465 ft. Breadth, 52 ft. Draught, 35 ft. Coal capacity, sufficient to take ship to Australia and back. Accommodation for Troops, 2,500.

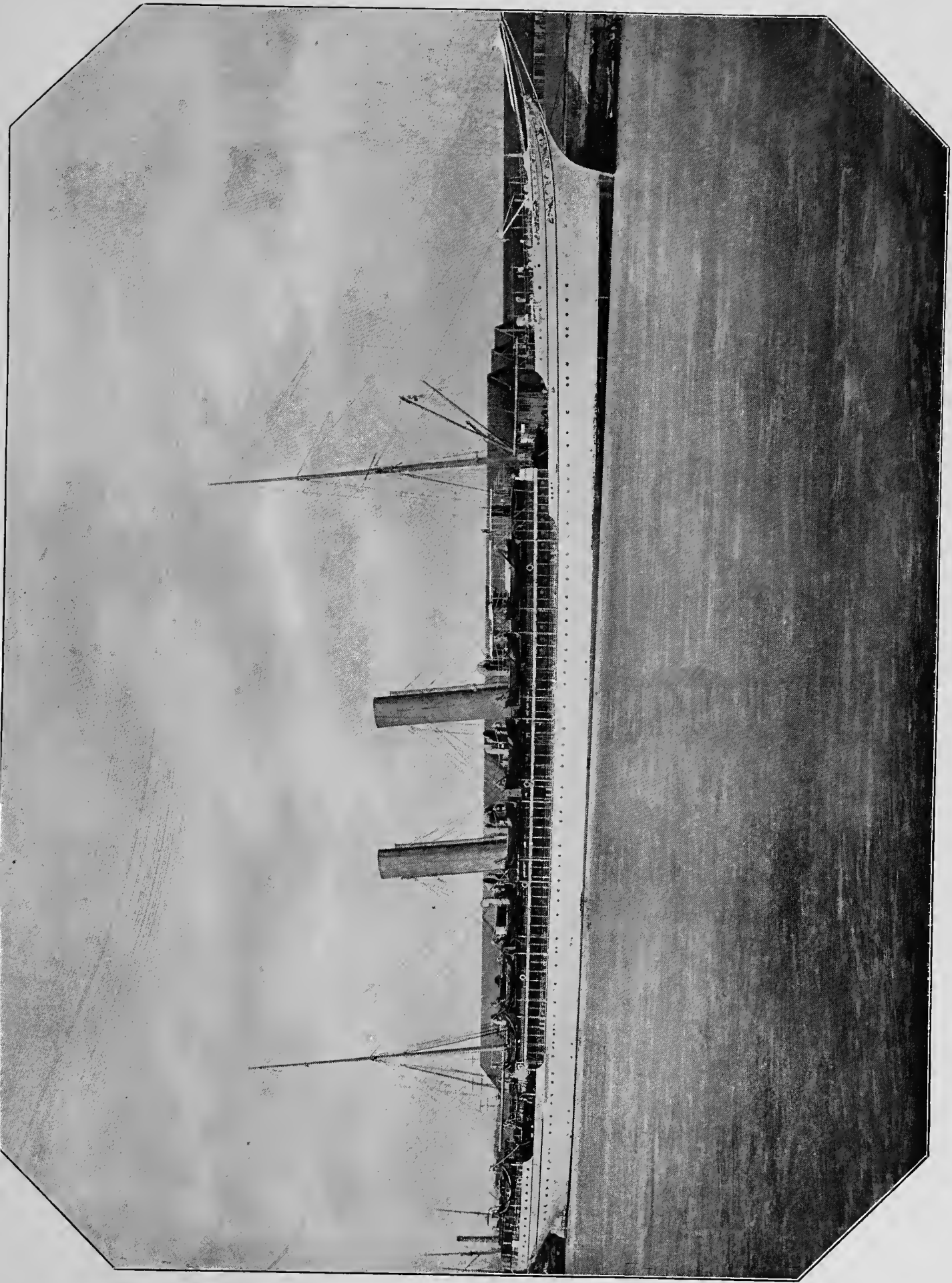
COLONIAL NAVIES--UNARMoured SHIPS.

To what Government.	NAMES.	Class.	Material.	Propellers.	Tons.	Ind. H.P.	Length.	Breadth.	Draught.	Speed.	Coal.	Armament.	Torpedoes.
India	Assaye	{ 1st Class or } Torpedo } Gunboat }	Steel ...	2	735	4,500	230.0	27.0	8.3	21.0	100	2 4.7-in. q.F., 4 3-pdrs. q.F. ...	1 f. t. and } 2 l. car. }
			Steel ...	Pad.	1,154	1,277	212.2	32.2	18.3	13.5	270	4 4-in. B.L.R., 4 6-pdrs. q.F., 4 M.	...
	Plassy	{ 1st Class or } Torpedo } Gunboat }	Steel ...	2	735	4,500	230.0	27.0	8.3	21.0	100	2 4.7-in. q.F., 4 3-pdrs. q.F. ...	1 f. t. and } 2 l. car. }
Victoria	Albert	Gunboat ...	Steel ...	2	350	400	115.0	25.0	10.0	10.0	...	1 8-in. 12-ton, 1 6-in. 4-ton, 2 9-pdrs., 2 1-in. Nordenfelts	...
	Victoria	Gunboat ...	Steel ...	2	550	800	140.0	27.0	11.0	12.0	...	1 8-in. 12-ton, 1 6-in. 4-ton, 2 12½-pdrs., 2 1-in. Nordenfelts	...
Queensland...	Gayundah	Gun Vessel...	Steel ...	2	450	400	115.0	25.0	10.0	10.0	...	1 8-in. 11½-ton, 1 6-in. 4-ton, 1 3-pdr. q.F., 2 Nordenfelts	...
	Paluma	Gun Vessel...	Steel ...	2	450	400	115.0	25.0	10.0	10.0	...	1 8-in. 11½-ton, 1 6-in. 4-ton, 1 3-pdr. q.F., 2 Nordenfelts	...
South Australia	Protector	Cruiser ...	Steel ...	2	920	1,640	188.0	30.0	12.6	14.0	...	1 8-in. 11½-ton, 5 6-in. 4-ton, 5 Gatlings	...

Victoria also has "Batman," "Fawkner," "Gannet," "Lady Loch," Gunboats, of 330 to 390 tons displ. and 350 to 500 Ind. H.P., armed with 1 6-in. 4-ton gun and 2 machine.

Queensland, three steel Gunboats, "Otter," "Bonito," "Stingaree," 290 to 450 tons displ., 400 to 450 Ind. H.P., armed with 1 6.4-pdr. M.L.R.

Five Cruisers, two Torpedo Gunboats, "Sharpshooter" class, as well as Armour-clads "Abyssinia," "Cerberus" and "Magdala," will be found in list of Ships of Royal Navy.



S.S. "SCOT."

UNION SHIPPING COMPANY.

Builders and Engines, Denny Bros., Dumbarton. Launched, 1890. Displacement 12,160 tons. Indicated, H.P., 11,656. Speed, 17½ knots.
Length 460 ft. Breadth, 54 ft. Draught, 27 ft. 11 in. Complement of Crew, 206.

ROYAL NAVAL RESERVE STEAMERS.

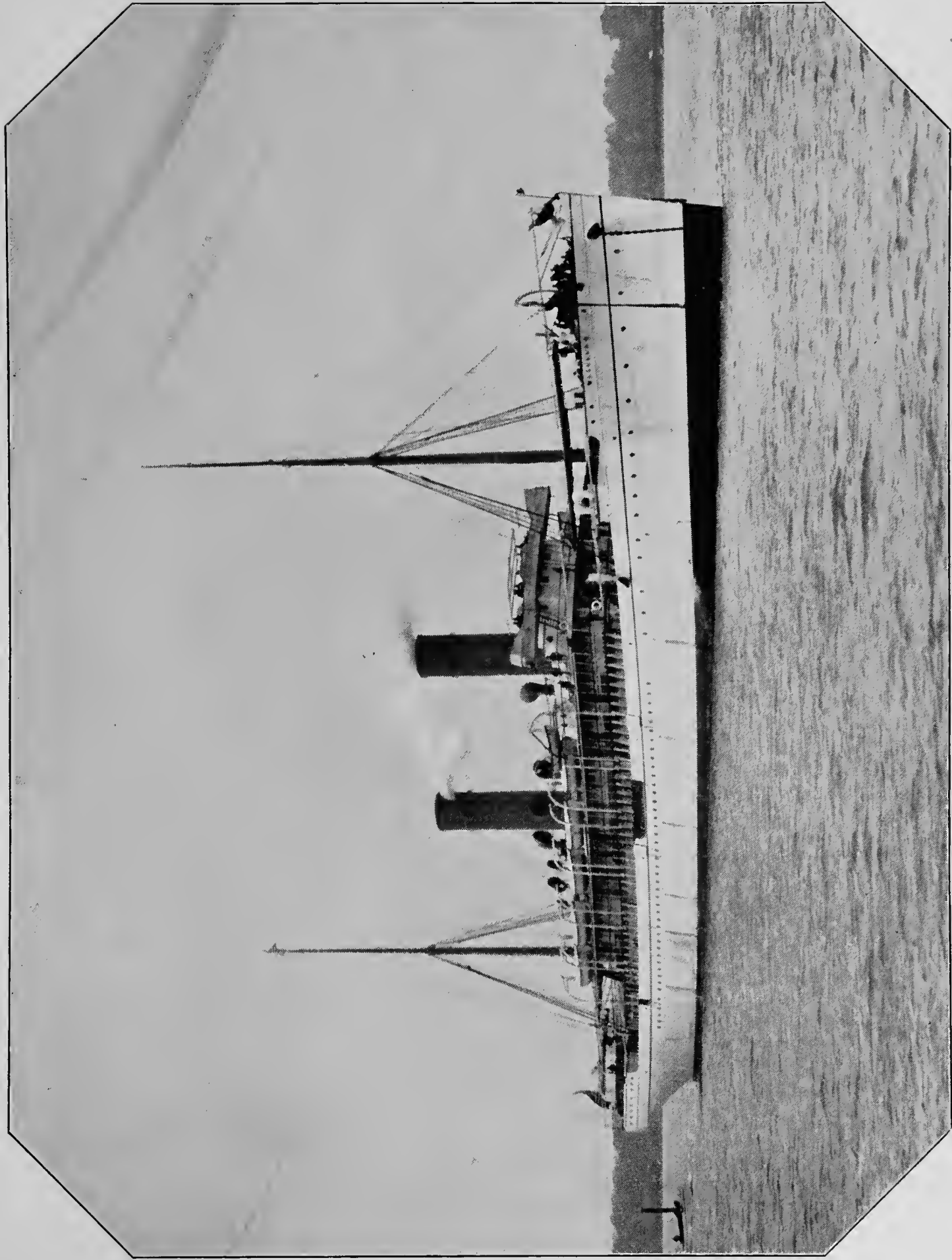
SUBVENTION STEAMERS.

NAMES.	Company.	Length.	Breadth.	Draught.	Displacement.	Indicated H.P.	Speed.	Accommodation for Troops.
Majestic	White Star	565·0	58·0	24·6	9,965	16,000	20	2,000
Teutonic	"	565·0	58·0	24·6	9,984	16,000	20	2,000
Himalaya	P. & O. Co.	465·6	52·0	22·6	6,898	10,000	17	2,500
Anstralia	"	465·6	52·0	22·6	6,901	10,000	17	2,500
Caledonia	"	486·0	54·0	24·0	7,558	11,000	18	3,000
Victoria	"	466·0	52·0	22·6	6,091	7,000	16	2,500
Arcadia	"	466·0	52·0	22·6	6,188	7,000	16	2,500
Etruria	Cunard Co.	501·6	57·0	26·0	8,120	14,500	19½	1,750
Umbria	"	501·6	57·0	26·0	8,128	14,500	19½	1,750
Campania	"	622·6	65·3	29·8	12,950	30,000	22½	2,000
Lucania	"	622·6	65·3	29·8	12,950	30,000	22½	2,000
Empress of India ...	C. P. R. Co.	485·0	51·0	24·6	6,000	10,000	19	...
" Japan ...	"	485·0	51·0	24·6	6,000	10,000	19	...
" China ...	"	485·0	51·0	24·6	6,000	10,000	19	...

STEAMERS AT DISPOSAL OF ADMIRALTY WITHOUT SUBSIDY.

Ophir... ..	Orient S. N. Co.	482·0	53·6	37·0	10,550	9,500	18	3,000
Ormuz	"	481·0	52·0	37·0	10,550	8,400	18	3,000
Scot	Union S. S. Co.	460·0	54·0	27·9	12,160	11,656	17½	...
Norman	"	490·0	53·0	27·9	13,420	8,588	17	...
Servia	Cunard Co.	515·0	52·0	26·0	7,392	10,000	16½	1,200 (about).
Gallia... ..	"	430·0	44·6	24·0	4,809	5,300	15½	1,200 "
Dannbe	R. M. S. P. Co.	420·0	52·0	37·0	5,946	7,500	17	...
Nile	"	420·0	52·0	37·1	5,946	7,500	17	...
Britannic	White Star	455·0	45·0	25·0	5,004	5,200	16	1,500 (about).
Germanic	"	455·0	45·0	25·0	5,008	5,200	16	1,500 "
Adriatic	"	437·0	40·6	23·0	3,888	3,600	15	1,200 "
Tantallon Castle ...	D. C. & Co.	455·0	50·6	24·0	9,500	5,636	16½	1,500 "
Dunottar Castle ...	"	435·0	50·0	24·0	9,000	5,465	16	1,200 "
Britannia	P & O. Co.	453·0	52·0	22·6	6,061	7,000	16	2,000 "
Oceana	"	465·0	52·0	22·6	6,188	6,000	16	2,000 "
Peninsular	"	410·6	48·0	21·6	5,000	4,972	15	1,800 "
Oriental	"	410·6	48·0	21·6	5,000	4,972	15	1,800 "
Valetta	"	420·6	45·0	22·6	4,904	5,000	15	1,200 "
Massilia	"	420·6	45·0	22·6	4,902	5,000	15	1,200 "
Rome	"	430·0	44·6	22·6	5,545	5,500	15	1,500 "
Carthage	"	430·0	44·6	22·6	4,879	5,000	15	1,200 "
Ballarat	"	420·0	43·0	22·6	4,748	4,500	14	1,200 "
Parramatta	"	420·0	43·0	22·6	4,756	4,500	14	1,200 "

The Steamers complying with Admiralty conditions are numerous, being all built to receive Armament if needed.



S.S. "NORMAN."
UNION STEAMSHIP COMPANY.

Builders and Engines, Harland & Wolff, Belfast. Launched, 1894. Displacement, 13,420 tons. Indicated H.P., 8,588. Speed, 17 knots. Length, 490 ft Breadth, 53 ft Draught, 27 ft. 9 in. Complement of Crew, 199.

LIST OF STEAMERS OF 16 KNOTS AND 4,000 TONS DISPLACEMENT AND OVER.

19 KNOTS STEAMSHIPS.

NAMES.	Date Built.	Tons.	OWNERS.
CALEDONIA	1894 ...	7,500 ...	P. & O. Company.
ETRURIA	1884 ...	8,120 ...	White Star Line.
CAMPANIA	1893 ...	12,950 ...	Cunard Line.
LUCANIA	1893 ...	12,952 ...	" "
MAJESTIC	1889 ...	9,965 ...	White Star Line.
TEUTONIC	1889 ...	9,984 ...	" "
UMBRIA	1884 ...	8,128 ...	" "
NEW YORK	1888 ...	10,508 ...	American Line.
PARIS	1889 ...	10,508 ...	" "
LA TOURAINE	1890 ...	8,863 ...	Cie Générale Transatlantique.
COLUMBIA	1889 ...	7,578 ...	Hamburg American Line.
FÜRST BISMARCK	1890 ...	8,874 ...	" "
HAVEL	1890 ...	6,963 ...	North German Lloyd.
NORMANNIA	1890 ...	8,716 ...	Hamburg American Line.
SPREE	1890 ...	6,963 ...	North German Lloyd.

18½ KNOTS STEAMSHIPS.

AUGUSTA VICTORIA	1889 ...	7,661 ...	Hamburg American Line.
LAHN... ..	1887 ...	5,097 ...	North German Lloyd.

18 KNOTS STEAMSHIPS.

AUSTRALIA	1892 ...	6,901 ...	P. & O. Company.
HIMALAYA	1892 ...	6,898 ...	" "
MAGDALENA	1889 ...	5,140 ...	Royal Mail Steam Packet Company
OPHIR	1891 ...	6,910 ...	Orient Steam Navigation Company, Limited.
ORMUZ	1886 ...	6,031 ...	" " "

17½ KNOTS STEAMSHIPS.

ARCADIA	1888 ...	6,188 ...	P. & O. Company.
BRITANNIA	1887 ...	6,061 ...	" "
CITY OF ROME	1881 ...	8,144 ...	Henderson Bros.
OCEANA	1888 ...	6,188 ...	P. & O. Company.
SCOT	1891 ...	6,844 ...	Union Steamship Company, Limited.
VICTORIA	1887 ...	6,091 ...	P. & O. Company.
ARMAND BÉHIC	1892 ...	6,467 ...	Messageries Maritimes.
AUSTRALIEN	1889 ...	6,428 ...	" "
LA BOURGOGNE	1885 ...	7,305 ...	Cie Générale Transatlantique.
LA BRETAGNE	1886 ...	7,112 ...	" "
LA CHAMPAGNE	1885 ...	7,087 ...	" "
LA GASCOGNE	1886 ...	7,396 ...	" "
POLYNESIÉN	1890 ...	6,483 ...	Messageries Maritimes.
VILLE DE LA CIOTAT	1892 ...	6,461 ...	" "
ALLER	1885 ...	4,964 ...	North German Lloyd.
SAALE	1886 ...	4,965 ...	" "
TRAVE	1886 ...	4,966 ...	" "



S.S. "DUNOTTAR CASTLE."

DONALD CURRIE & CO.

Builders and Engines, Fairfield Shipbuilding Company, Glasgow. Launched, 1890. Displacement, 9,000 tons. Indicated H.P., 6,500. Speed, 16 knots. Length, 435 ft. Breadth, 50 ft. Draught, 24 ft. Complement of Crew, 150. Accommodation for Troops, 1,200.

17 KNOTS STEAMSHIPS.

NAMES.	Date Built.	Tons.	OWNERS.
ALASKA	1881 ...	6,932 ...	Guion Steamship Company, Limited.
ATRATO	1888 ...	5,140 ...	Royal Mail Steam Packet Company.
AURANIA	1883 ...	7,269 ...	Cunard Steamship Company, Limited.
AUSTRAL	1881 ...	5,524 ...	Orient Steam Navigation Company, Limited.
CLYDE	1890 ...	5,645 ...	Royal Mail Steam Packet Company.
DANUBE	1893 ...	5,946 ...	" " " "
DON	1872 ...	4,028 ...	" " " "
NILE	1893 ...	5,946 ...	" " " "
ORIENTAL	1889 ...	4,972 ...	P. & O. Company.
PARA	1873 ...	4,028 ...	Royal Mail Steam Packet Company.
PENINSULAR	1888 ...	4,972 ...	P. & O. Company.
ROME... ..	1881 ...	5,545 ...	" " "
THAMES	1890 ...	5,645 ...	Royal Mail Steam Packet Company.
LA NAVARRE	1892 ...	6,959 ...	Cie Générale Transatlantique.
EMS	1884 ...	4,728 ...	North German Lloyd.
FULDA	1882 ...	4,814 ...	" " "
WERRA	1882 ...	4,815 ...	" " "

16½ KNOTS STEAMSHIPS.

EMPRESS OF CHINA	1891 ...	5,905 ...	Canadian Pacific Railway Company.
EMPRESS OF INDIA	1891 ...	5,905 ...	" " " "
EMPRESS OF JAPAN	1891 ...	5,905 ...	" " " "
ORIZABA	1886 ...	6,077 ...	Pacific Steam Navigation Company.
OROTAVA	1886 ...	5,552 ...	" " " "
OROYA	1889 ...	6,057 ...	" " " "
ORUBA	1886 ...	5,552 ...	" " " "
SERVIA	1881 ...	7,392 ...	Cunard Steamship Company, Limited.
BRÉSIL	1889 ...	5,810 ...	Messageries Maritimes.
LA PLATA	1889 ...	5,677 ...	" "
NORD AMERICA	1882 ...	4,826 ...	La Veloce Nav. Italiana.
PURITAN	1889 ...	4,593 ...	Old Colony Steamship Company.

16 KNOTS STEAMSHIPS.

ARIZONA	1879 ...	5,164 ...	Guion Steamship Company, Limited.
BRITANNIC	1874 ...	5,004 ...	W. S. Line.
CLYDE	1881 ...	4,099 ...	P. & O. Company.
DUNOTTAR CASTLE	1890 ...	5,465 ...	Donald Currie & Company.
GERMANIC	1874 ...	5,008 ...	W. S. Line.
IBERIA	1873 ...	4,689 ...	Pacific Steam Navigation Company.
LIGURIA	1874 ...	4,677 ...	" " " "
MASSILIA	1884 ...	4,902 ...	P. & O. Company.
ORCANA	1893 ...	4,803 ...	Pacific Steam Navigation Company
ORELLANA	1893 ...	4,821 ...	" " " "
ORINOCO	1886 ...	4,434 ...	Royal Mail Steam Packet Company.
THAMES	1881 ...	4,078 ...	P. & O. Company.
VALETTA	1883 ...	4,904 ...	" " "
LA NORMANDIE	1882 ...	6,283 ...	Cie Générale Transatlantique.
KAISER WILHELM II.	1889 ...	6,990 ...	North German Lloyd.
ALFONSO XIII.	1888 ...	4,381 ...	Cia. Transatlantica.
REINA MARIA CRISTINA	1883 ...	4,381 ...	" " "



S.S. "TANTALLON CASTLE."

DONALD CURRIE & CO.

Builders and Engines, Fairfield Shipbuilding & Engineering Company, Glasgow. Launched, 1894. Displacement, 9,500 tons. Indicated H.P., 7,000. Speed, $16\frac{1}{2}$ knots. Length, 455 ft. Breadth, 50 ft. 6 in. Draught, 24 ft. Complement of Crew, 176. Accommodation for Troops, 1,500.

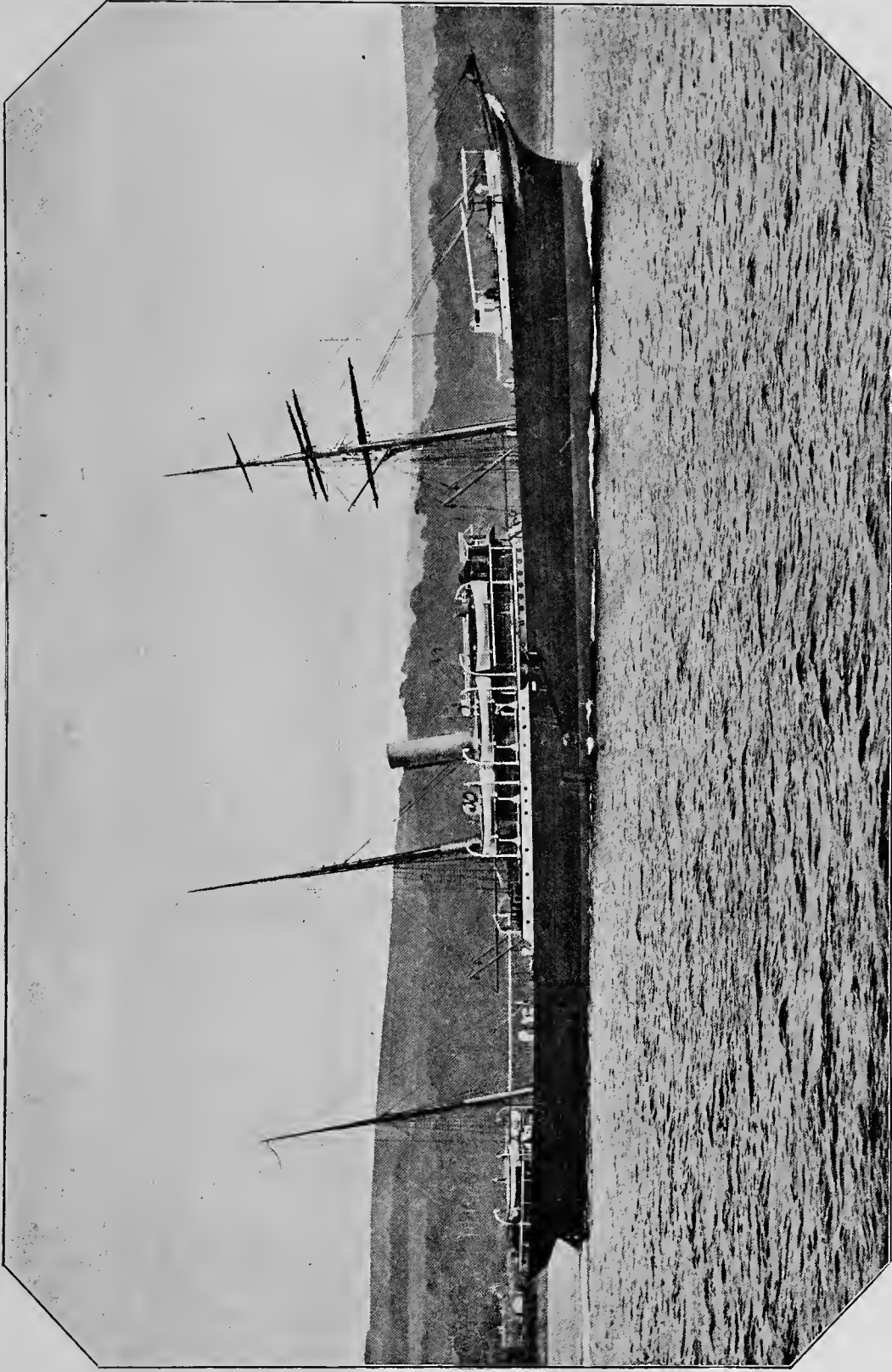


S.S. "RIMUTAKA" and "KAIKOURA."

NEW ZEALAND SHIPPING COMPANY.

Builders and Engines, Fairfield Shipbuilding Co. Built at Glasgow, 1884. Displacement, 8,336 tons (salt water).
Length, 430 ft. Breadth, 46 ft. Draught, 25 ft. Complement of Crew, 100. Accommodation for Troops, 1,200.

Indicated H.P., 3,500. Speed, 15 knots.

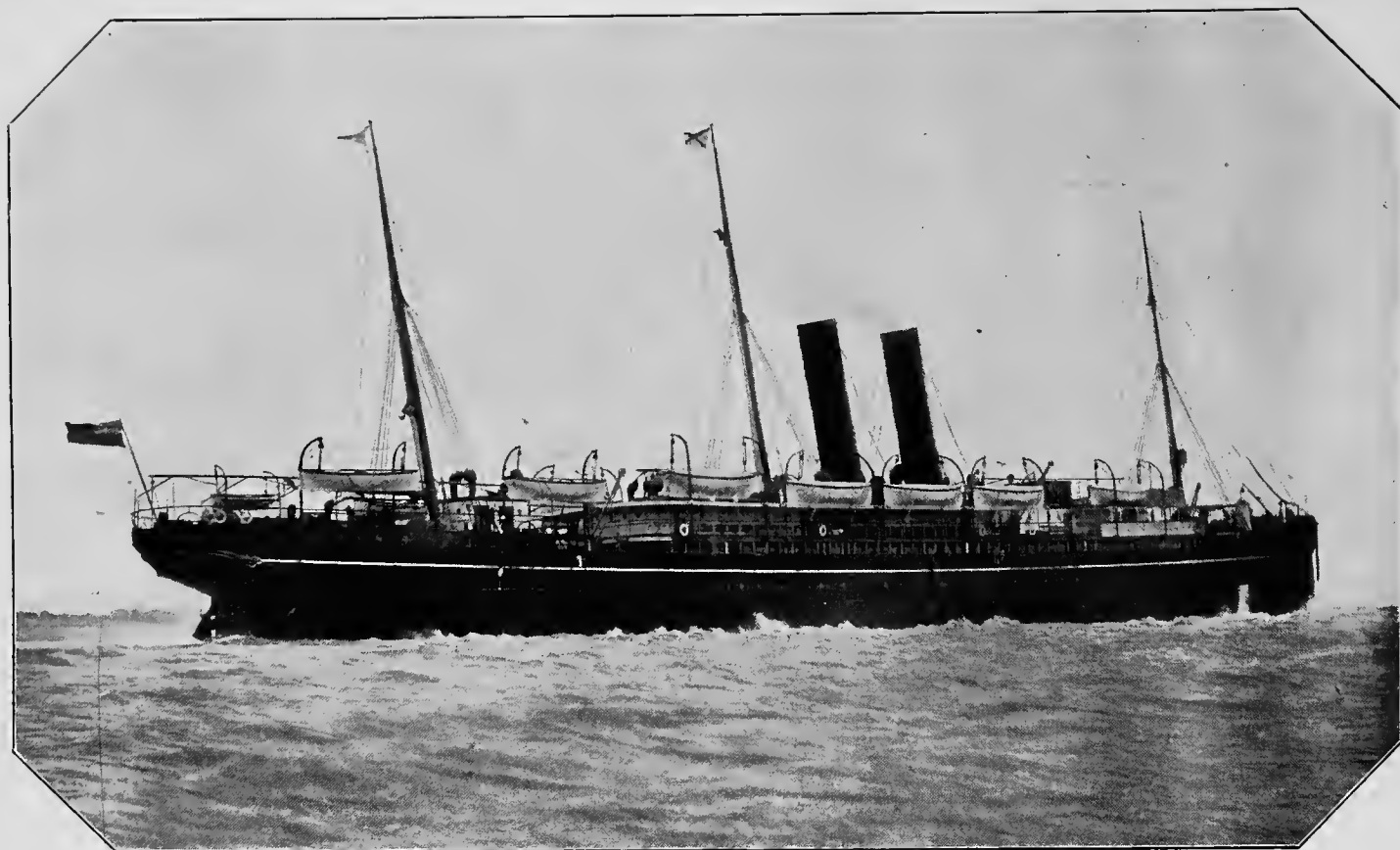


From a Photo by ADAMSON, Rothsay.

S.S. "NINEVEH."

ABERDEEN & WHITE STAR LINE.

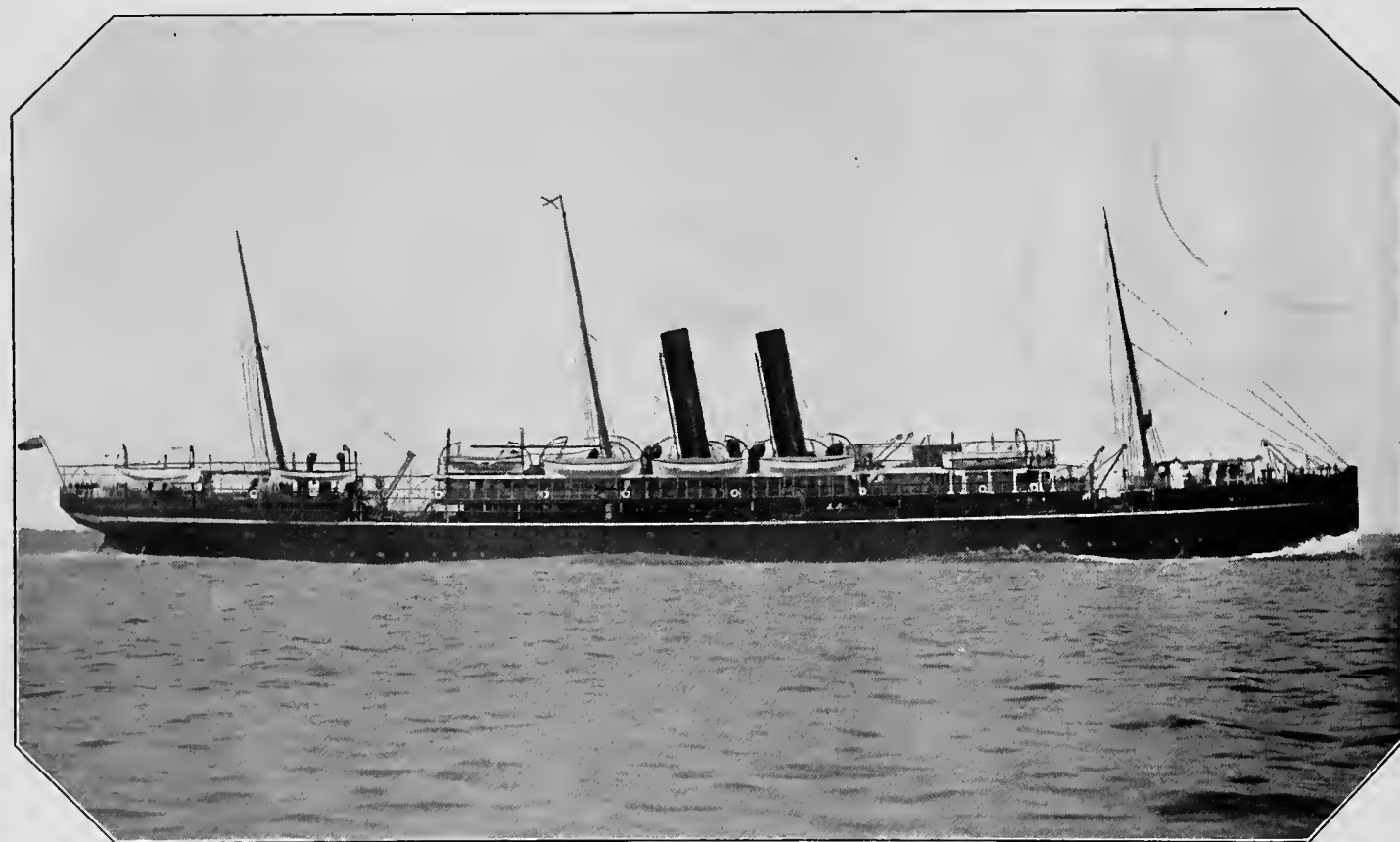
Builders and Engines, R. Napier & Sons. Built at Glasgow. Launched 1894. Displacement, 3,808 tons. Indicated H.P., 3,000. Speed, 14 knots. Length, 365 ft. Breadth, 45 ft. 1 in. Draught, 28 ft. 5 in. Complement of Crew, 70. Accommodation for 1,000 troops.



S.S. "DANUBE."

ROYAL MAIL STEAM PACKET COMPANY.

Builders and Engines, J. & G. Thomson, Clydebank. Launched, 1893. Displacement, 5,946 tons. Indicated H.P., 7,500. Speed, 17 knots. Length, 420 ft. Breadth, 52 ft. Depth, 37 ft. Complement of Crew, 105.



S.S. "NILE."

ROYAL MAIL STEAM PACKET COMPANY.

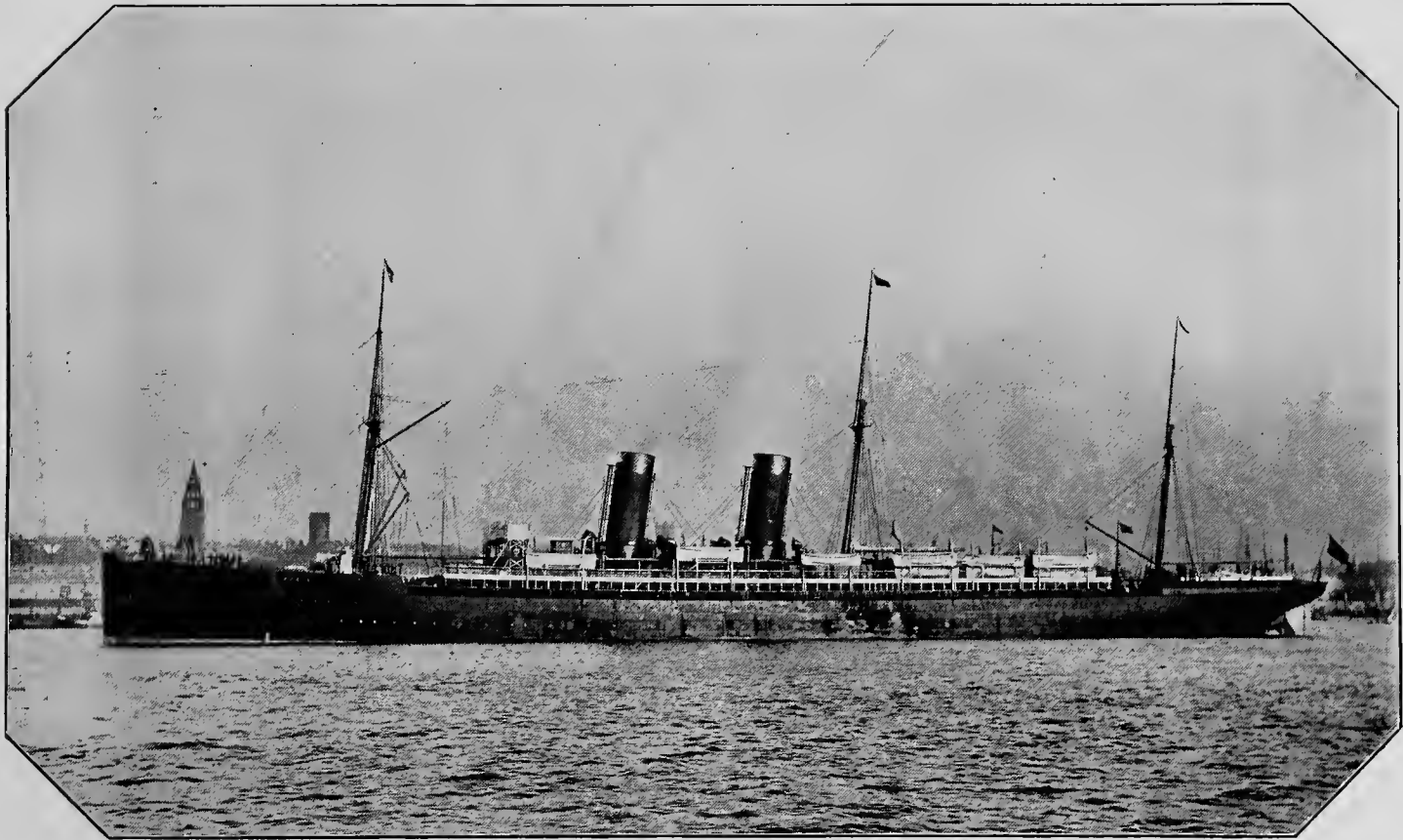
Builders and Engines, J. & G. Thomson, Clydebank. Launched, 1893. Displacement, 5,946 tons. Indicated H.P., 7,500. Speed, 17 knots. Length, 420 ft. Breadth, 52 ft. Depth, 37 ft. Complement of Crew, 105.



S.S. "CAMPANIA."

CUNARD STEAMSHIP COMPANY.

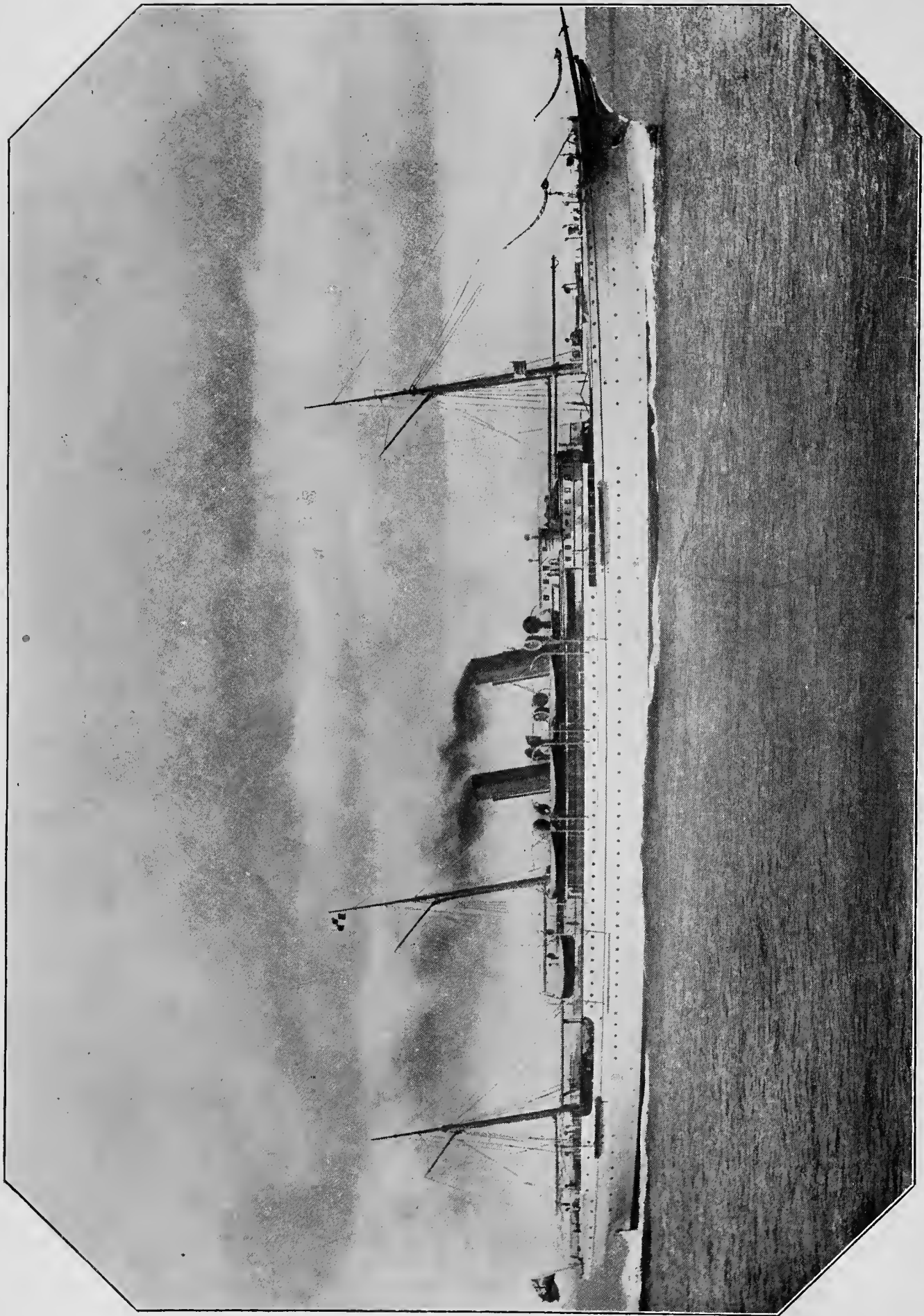
Builders and Engines, Fairfield Shipbuilding & Engineering Co., Glasgow. Launched, 1892. Displacement, 21,400 tons. Indicated H.P., 30,000. Speed, 22 knots. Length, 622 ft. 6 in. Breadth, 65 ft. 3 in. Draught, 29 ft. 8 in. Complement of Crew, 430. Accommodation for 2,000 troops.



S.S. "UMBRIA."

CUNARD STEAMSHIP COMPANY.

Builders and Engines, J. Elder & Co., Glasgow. Launched, 1894. Displacement, 13,500 tons. Indicated H.P., 14,500. Speed, 19½ knots. Length, 520 ft. Breadth, 57 ft. 3 in. Draught, 29 ft. 10½ in. Complement of Crew, 295. Accommodation for 1,750 troops.



S.S. "EMPRESS OF JAPAN."

CANADIAN PACIFIC RAILWAY COMPANY.

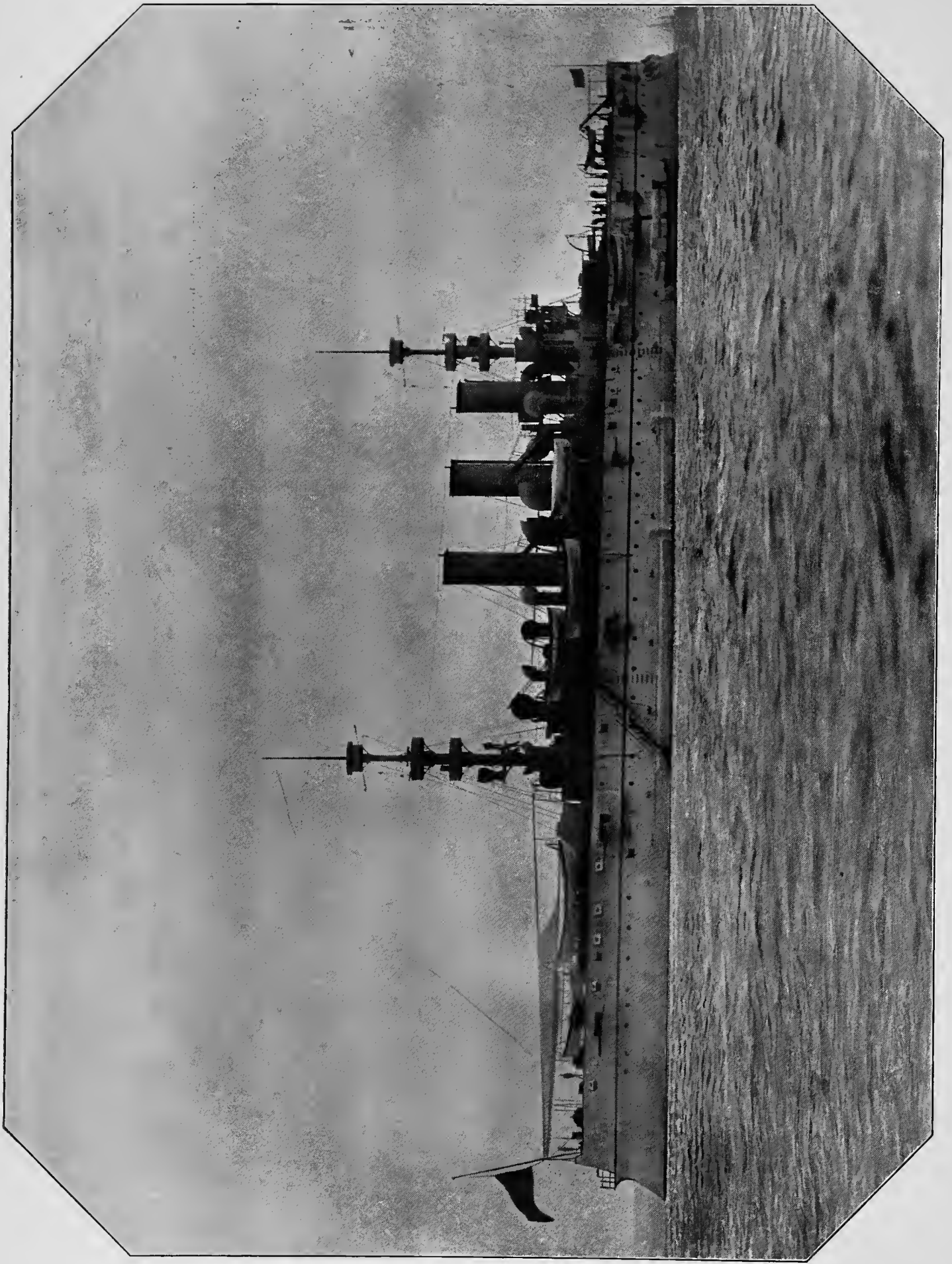
Builders and Engines, Naval Construction & Armaments Co., Barrow-in-Furness. Launched, 1891. Displacement, 6,000 tons. Indicated H.P., 10,000. Speed, 19 knots. Length, 485 ft. Breadth, 51 ft. Draught, 36 ft.



S.S. "GOLCONDA."

BRITISH INDIA STEAM NAVIGATION COMPANY.

Builders and Engines, W. Doxford & Sons, Sunderland. Launched, 1887. Displacement, 5,874 tons. I.H.P., 627 Nominal.
Length 422 ft. Breadth, 48 ft. 1 in. Draught, 24 ft.



“NEW YORK.”
UNITED STATES NAVY.

(See p. 145.)

UNITED STATES NAVY.

ARMOURED SHIPS.

CENTRAL BATTERY AND TURRET.

ALARM (Iron). Torpedo, Ram. One Screw.

Length, 172 ft. 6 in. Breadth, 29 ft. 3 in. Draught, 11 ft. 2 in.

Displacement, 720 tons. Indicated H.P., 800.

Launched, 1873. Cost, £90,000 (about). Speed, 11 knots.

Armament, one 6-in. Two Q.F. One Machine.

Armour, Belt, 4 in. on traverse. Backing, 16 in.

INDIANA (Steel). Twin Screws.

Length, 348 ft. Breadth, 69 ft. 3 in. Draught, 24 ft.

Displacement, 10,231 tons. Indicated H.P., 9,000. Coal, 500 to 1,700 tons.

Launched, 1893. Cost, £600,000 (about). Speed, 15½ knots.

Armament, four 13-in. Eight 8-in. Six 4-in., Q.F. Twenty 6-pounders, Q.F. Four 1-pounders, Q.F. Four Machine.

Armour, Belt, 18 in. Conning Tower, 10 in. Turret, 17 in. Small Turrets, 6 to 8 in. Backing, 6 in.

Deck Plating, 3 in.

Torpedoes, six fixed tubes or Launching Carriages.

IOWA (Steel). Twin Screws.

Length, 360 ft. Breadth, 72 ft. Draught, 24 ft. 1 in.

Displacement, 11,286 tons. Indicated H.P., 11,000. Coal, 2,000 tons.

Launched (building). Cost, £900,000 (about). Speed, 16 knots.

Armament, four 12-in. Four 45-ton. Eight 8-in. Six 4-in., Q.F. Twenty 6-pounders, Q.F.

Six 1-pounders, Q.F. Two Machine.

Armour, Belt, 14 in. Battery, 15 in. Top Sides, 5 in. Deck Plating, 3 and 2½ in.

Torpedoes, six fixed tubes.

KATAHDIN (Steel). Coast Defence, Ram. Twin Screws.

Length, 243 ft. Breadth, 43 ft. 6 in. Draught, 15 ft.

Displacement, 2,050 tons. Indicated H.P., 4,800. Coal, 300 tons.

Launched, 1893. Cost, £186,000 (about). Speed, 17¼ knots.

Armament, four 6-pounders, Q.F.

Armour, Belt, 6 in. Conning Tower, 18 in. Deck Plating, 6 and 3 in.

CENTRAL BATTERY AND TURRET—*continued.***MONTEREY** (Steel). Coast Defence, Barbette. Twin Screws.

Length, 256 ft. Breadth, 59 ft. Draught, 14 ft. 9 in.
 Displacement, 4,138 tons. Indicated H.P., 5,072. Coal, 200 tons.
 Launched, 1891. Cost, £450,000 (about). Speed, 14½ knots.
 Armament, two 12-in. 45-ton. Two 10-in. Four 6-pounders, Q.F. Four 1-pounders, Q.F.
 Two machine.
 Armour, Belt, 13 in. Battery, 14 in. Conning Tower, 10 in. Deck Plating, 3 and 2 in.

MASSACHUSETTS (Steel). Twin Screws.

Length, 348 ft. Breadth, 69 ft. 3 in. Draught, 24 ft.
 Displacement, 10,231 tons. Indicated H.P., 9,000. Coal, 500 to 1,700 tons.
 Launched, 1893. Cost, £605,000 (about). Speed, 16 knots.
 Armament, four 13-in. Eight 8-in. Four 6-in. Twenty 6-pounders, Q.F. Four 1-pounders, Q.F.
 Four Machine.
 Armour, Belt, 18 in. Conning Tower, 10 in. Battery, 17 in. Small Turret, 8 to 6 in. Backing, 6 in.
 Deck Plating, 3 in.
 Torpedoes, six fixed tubes or Launching Carriages.

OREGON (Steel). Twin Screw.

Length, 348 ft. Breadth, 69 ft. 3 in. Draught, 24 ft.
 Displacement, 10,231 tons. Indicated H.P., 9,000. Coal, 500 to 1,700 tons.
 Launched, 1893. Cost, £640,000 (about). Speed, 16 knots.
 Armament, four 13-in. Eight 8-in. Four 6-in. Twenty 6-pounders, Q.F. Four 1-pounders, Q.F.
 Four Machine.
 Armour, Belt, 18 in. Conning Tower, 10 in. Battery, 17 in. Small Turret, 8 to 6 in. Deck
 Plating, 3 in.
 Torpedoes, seven fixed tubes or Launching Carriages.

TEXAS, Two Turrets (Steel). Turret Ship. Twin Screws.

Length, 290 ft. Breadth, 64 ft. 7 in. Draught, 22 ft. 6 in.
 Displacement, 6,300 tons. Indicated H.P., 8,600. Coal, 850 tons.
 Launched, 1892. Cost, £500,000 (about). Speed, 17 knots.
 Armament, two 12-in. 46-ton. Six 6-in. Twelve 6-pounders, Q.F. Four 1-pounders, Q.F.
 Four Machine.
 Armour, Belt, 12 in. Turret, 12 in. Deck Plating, 3 in.
 Torpedoes, six fixed tubes or Launching Carriages.

ARMED CRUISER BARBETTE.**BROOKLYN** (Steel). Twin Screw.

Length, 400 ft. 6 in. Breadth, 64 ft. Draught, 24 ft.
 Displacement, 9,250 tons. Indicated H.P., 16,000. Coal, 1,600 tons.
 Launched, 1890. Cost, £700,000 (about). Speed, 21 knots.
 Armament, eight 8-in. Twelve 5-in., Q.F. Twelve 6-pounders, Q.F. Four 1-pounders, Q.F. Four
 Machine, two light.
 Armour, Belt, 3 in. Barbette, 8 and 5 in. Conning Tower, 7½ in. Deck Plating, 6 and 3 in.
 Torpedoes, six fixed tubes or Launching Carriages.

MAINE, Two Turrets (Steel). Armed Cruiser Turret. Twin Screws.

Length, 310 ft. Breadth, 57 ft. Draught, 21 ft. 6 in.
 Displacement, 6,682 tons. Indicated H.P., 9,000. Coal, 820 tons.
 Launched, 1890. Cost, £520,000 (about). Speed, 17 knots.
 Armament, four 10-in. 26 ton. Six 6-in. Eight 6-pounders, Q.F. Eight 1-pounders, Q.F. Four
 Machine.
 Armour, Belt, 12 in. Turret, 12 in. Conning Tower, 10 in. Deck Plating, 4 and 2 in.
 Torpedoes, seven fixed tubes or Launching Carriages.

NEW YORK (Steel). Armed Cruiser. Twin Screw.

Length, 380 ft. 6 in. Breadth, 64 ft. 10 in. Draught, 23 ft. 3½ in.
 Displacement, 8,500 tons. Indicated H.P., 16,500. Coal, 800 to 1,200 tons.
 Launched, 1891. Cost, £600,000 (about). Speed, 21 knots.
 Armament, six 8-in. Twelve 4-in., Q.F. Eight 6-pounders, Q.F. Four 1-pounders. Four Machine.
 Armour, 4-in. in way of Machinery. Barbette, 10 in. Conning Tower, 7-in. Deck Plating, 6 and 3 in.
 Torpedoes, six fixed tubes or Launching Carriages.

COAST DEFENCE TURRET SHIPS.**AJAX**, One Turret (Iron). One Screw.

Length, 226 ft. 4 in. Breadth, 43 ft. 7 in. Draught, 13 ft. 9 in.
 Displacement, 2,100 tons. Indicated H.P., 340. Coal, 160 tons.
 When Launched, 1864. Cost, £125,000 (about). Speed, 6½ knots.
 Armament, two 15-in. smooth bores. Two light.
 Armour, Belt, 5 in. Turret, 11 in.

AMPHITRITE, Two Turrets (Iron). Twin Screws.

Length, 249 ft. 4 in. Breadth, 55 ft. 9 in. Draught, 14 ft. 3 in.
 Displacement, 3,990 tons. Indicated H.P., 1,600. Coal, 300 tons.
 When Launched, 1883. Cost, £272,000 (about). Speed 12 knots.
 Armament, four 10-in. Two 6-pounders, Q.F. Two 3-pounders, Q.F. One light, Q.F. Two Machine.
 Armour, Belt, 9 in. Conning Tower, 7½ in. Turret, 11½ in. Deck Plating, 2 in.

COAST DEFENCE TURRET SHIPS—*continued.***CAMANCHE**, One Turret (Iron). One Screw.

Length, 200 ft., 2 in. Breadth, 45 ft. 11 in. Draught, 11 ft. 6 in.
Displacement, 1,875 tons. Indicated H.P., 350. Coal, 165 tons.
When Launched, 1863. Cost, £125,000 (about). Speed, 6½ knots.
Armament, two 15-in. One 9-ton, smooth bores. Four light.
Armour, Belt, 5 in. Turret, 10 in.

CANONICUS, One Turret (Iron). One Screw.

Length, 226 ft. 4 in. Breadth, 43 ft. 7 in. Draught, 13 ft. 9 in.
Displacement, 2,100 tons. Indicated H.P., 325. Coal, 165 tons.
When Launched, 1864. Cost, £125,000. Speed, 6½ knots.
Armament, two 15-in. 19 ton, smooth bores. Four light.
Armour, Belt, 5 in. Turret, 10 in.

CATSKILL, One Turret (Iron). One Screw.

Length, 200 ft. 2 in. Breadth, 45 ft. 11 in. Draught, 11 ft. 6 in.
Displacement, 1,875 tons. Indicated H.P., 350. Coal, 150 tons.
When Launched, 1863. Cost £125,000 (about). Speed, 6½ knots.
Armament, two 15-in. 19 ton, smooth bores. Four light.
Armour, Belt, 5 in. Turret, 10 in.

JASON, One Turret (Iron). One Screw.

Same at *Catskill*.
Launched, 1864.
Armament, Belt, 5 in. Turret, 11 in.

LEHIGH, One Turret (Iron). One Screw.

Same as *Jason*.

MAHOPAC, One Turret (Iron). One Screw.

Length, 226 ft. 4 in. Breadth, 43 ft. 7 in. Draught, 13 ft. 9 in.
Displacement, 2,100. Indicated H.P., 320. Coal, 160 tons.
When Launched, 1865. Cost, £126,000 (about). Speed, 6½ knots.
Armament, same as above.
Armour, Belt, 5 in. Turret, 10 in.

MANHATTAN, One Turret (Iron). One Screw.

Length, 226 ft. 4 in. Breadth, 43 ft. 7 in. Draught, 13 ft. 9 in.
Displacement, 2,100 tons. Indicated H.P., 320. Coal, 165 tons.
When Launched, 1865. Cost, £125,000 (about). Speed, 6½ knots.
Armament, two 15-in. 19-ton, smooth bores. Four light.
Armour, Belt, 5 in. Turret, 10 in.

COAST DEFENCE TURRET SHIPS—*continued.***MIANTONOMOH**, Two Turrets (Iron). Twin Screw.

Length, 249 ft. 4 in. Breadth, 55 ft. 9 in. Draught, 14 ft. 3 in.
 Displacement, 3,990 tons. Indicated H.P., 1,600. Coal, 340 tons.
 When Launched, 1876. Reconstructed. Cost, £275,000 (about). Speed, 11 knots.
 Armament, four 10-in. Two 6-pounders, Q.F. Two 3-pounders, Q.F. One 10-pounder, Q.F.
 Two Machine.
 Armour, Belt, 7 in. Turrets, 11½ in. Backing, 8 in. Deck Plating, 2 in.

MONADNOCK, Two Turrets (Iron). Twin Screws.

Length, 249 ft. 4 in. Breadth, 55 ft. 9 in. Draught, 14 ft. 3 in.
 Displacement, 3,990 tons. Indicated H.P., 1,600. Coal, 340 tons.
 When Launched, 1883 (reconstructed). Cost, £270,000 (about). Speed, 12¼ knots.
 Armament, four 10-in. Two 6-pounders, Q.F. Two 3-pounders, Q.F. Two 1-pounders, Q.F.
 Two Machine.
 Armour, Belt, 9 in. Turrets, 11½ in. Backing, 8 in. Deck Plating, 2 in.

MONTAUK, One Turret (Iron). One Screw.

Length, 200 ft. 2 in. Breadth, 45 ft. 11 in. Draught, 11 ft. 6 in.
 Displacement, 1,875 tons. Indicated H.P., 350. Coal, 165 tons.
 When Launched, 1864. Cost, £125,000 (about). Speed, 6 knots.
 Armament, two 15-in. 19-ton, smooth bores. Four small.
 Armour, Belt, 5 in. Turret, 11 in.

NAHAUT, One Turret (Iron). One Screw.

Length, 200 ft. 2 in. Breadth, 45 ft. 11 in. Draught, 11 ft. 6 in.
 Displacement, 1,875 tons. Indicated H.P., 350. Coal, 165 tons.
 When Launched, 1863. Cost, £125,000. Speed, 6 knots.
 Armament, two 15-in. 19-ton, smooth bores. Four light.
 Armour, Belt, 5 in. Turret, 11 in.

NANTUCKET, One Turret (Iron). One Screw.

Length, 200 ft. 2 in. Breadth, 45 ft. 11 in. Draught, 11 ft. 6 in.
 Displacement, 1,875 tons. Indicated H.P., 350. Coal, 165 tons.
 When Launched, 1863. Cost, £120,000 (about). Speed, 5½ knots.
 Armament, two 15-in. 19-ton, smooth bores. Four light.
 Armour, Belt, 5 in. Turret, 11 in.

PASSAIC, One Turret (Iron). One Screw.

Length, 200 ft. 2 in. Breadth, 45 ft. 11 in. Draught, 11 ft. 6 in.
 Displacement, 1,875 tons. Indicated H.P., 350. Coal, 165 tons.
 When Launched, 1863. Cost, £120,000 (about). Speed, 5½ knots.
 Armament, two 15-in. 19-ton, smooth bores. Four light.
 Armour, Belt, 5 in. Turret, 11 in.

COAST DEFENCE TURRET SHIPS *-continued.***PURITAN**, Two Turrets (Iron). Twin Screws.

Length, 280 ft. Breadth, 60 ft. $1\frac{1}{2}$ in. Draught, 18 ft. 2 in.
 Displacement, 6,060 tons. Indicated H.P., 3,700. Coal, 575 tons.
 When Launched, 1884 (reconstructed). Cost, £450,000 (about). Speed, $13\frac{1}{2}$ knots.
 Armament, four 12-in. Six 4-in., Q.F. Two 6-pounders, Q.F. Four 3-pounders, Q.F.
 Four 1-pounders, Q.F. Four Machine.
 Armour, Belt, 12 in. Turret, $11\frac{1}{2}$ in. Deck Plating, 2 in.

TERROR, Two Turrets (Iron). Twin Screws.

Length, 249 ft. 4 in. Breadth, 55 ft. 9 in. Draught, 14 ft. 3 in.
 Displacement, 3,990 tons. Indicated H.P., 1,600. Coal, 330 tons.
 When Launched, 1883 (reconstructed). Cost, £206,900 (about). Speed, 12 knots.
 Armament, two 4.10-in. Two 6-pounders, Q.F. Two 3-pounders. Two 1-pounders. Two Machine.
 Armour, Belt, 7 in. Turrets, $\frac{1}{2}$ in. Backing, 8 in. Deck Plating, $1\frac{1}{2}$ in.

WYANDOTTE, One Turret (Iron). One Screw.

Length, 225 ft. Breadth, 43 ft. 7 in. Draught, 13 ft. 6 in.
 Displacement, 2,100 tons. Indicated H.P., 320. Coal, 165 tons.
 When Launched, 1864. Cost £120,000 (about). Speed, 6 knots.
 Armament, two 15-in., smooth bores. Four small.
 Armour, Belt, 5 in. Turret, 10 in.

CRUISER CLASS.
ADAMS (Wood). One Screw.

Length, 183 ft. 9 in. Breadth, 35 ft. Draught, 14 ft. 2 in.
 Displacement, 1,375 tons. Indicated H.P., 550. Coal, 150 tons.
 Launched, 1874. Cost, £70,000 (about). Speed, $9\frac{1}{2}$ knots.
 Armament, one 8-in. 8 ton M.L.R. Four 9-in. smooth bore. One 60-pounder. Three Machine,
 two light.

ATLANTA, P.D.P., $1\frac{1}{2}$ in. (Steel). One Screw.

Length, 270 ft. Breadth, 42 ft. Draught, 18 ft.
 Displacement, 3,189 tons. Indicated H.P., 3,511. Coal, 490 tons.
 Launched, 1884. Cost, £123,000 (about). Speed, $16\frac{1}{4}$ knots.
 Armament, two 8-in. $11\frac{3}{4}$ ton. Six 6-in. 5 ton. Six Q.F. Six Machine.

CRUISER CLASS--*continued.***BALTIMORE**, D.P.T., 4 to $2\frac{1}{2}$ in. (Steel). Twin Screw.

Length, 315 ft. Breadth, 48 ft. 6 in. Draught, 20 ft. 6 in.
Displacement, 4,600 tons. Indicated H.P., 10,750. Coal, 1,140 tons.
Launched, 1888. Cost, £210,000 (about). Speed, $20\frac{1}{4}$ knots.
Armament, four 8-in. Six 6-in. Four 6-pounders, Q.F. Two 3-pounders, Q.F. Two 1-pounders, Q.F. Six Machine.
Torpedoes, five fixed tubes or Launching Carriages.

BANCROFT (Steel). Twin Screw.

Length, 180 ft. Breadth, 32 ft. Draught, 11 ft. 6 in.
Displacement, 838 tons. Indicated H.P., 1,213. Coal, 200 tons.
Launched, 1892. Cost, £70,000 (about). Speed, $14\frac{1}{4}$ knots.
Armament, four 4-in., Q.F. Two 6-pounders, Q.F. Two 3-pounders, Q.F. One 1-pounder, Q.F. Two Machine.
Torpedoes, two fixed tubes or Launching Carriages.

BENNINGTON (Steel). Twin Screw.

Length, 230 ft. Breadth, 36 ft. Draught, 14 ft.
Displacement, 1,750 tons. Indicated H.P., 3,533. Coal, 400 tons.
Launched, 1890. Cost, £98,000 (about). Speed, $17\frac{1}{2}$ knots.
Armament, six 6-in. Two 6-pounders, Q.F. Two 3-pounders, Q.F. Two 1-pounders, Q.F. Four Machine.
Torpedoes, two Launching Carriages.

BOSTON, P.D.P., $1\frac{1}{2}$ in. (Steel). One Screw.

Length, 270 ft. Breadth, 42 ft. Draught, 18 ft.
Displacement, 3,189 tons. Indicated H.P., 3,780. Coal, 490 tons.
Launched, 1884. Cost, £123,200 (about). Speed, 15 knots.
Armament, two 8-in. $11\frac{3}{4}$ ton. Six 6-in. 5 ton. Six Q.F. Six Machine.

CHARLESTON, D.P.T., $\frac{3}{4}$ in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 46 ft. 2 in. Draught, 19 ft. 6 in.
Displacement, 4,040 tons. Indicated H.P., 7,500. Coal, 800 tons.
Launched, 1888. Cost, £200,000 (about). Speed, $18\frac{1}{2}$ knots.
Armament, two 8-in. Six 6-in. Four 6-pounders, Q.F. Two 3-pounders, Q.F. Two 1-pounders, Q.F. Six Machine.
Torpedoes, four fixed tubes or Launching Carriages.

CHICAGO, P.D.P., $1\frac{1}{2}$ in. (Steel). Twin Screw.

Length, 315 ft. Breadth, 48 ft. 2 in. Draught, 19 ft.
Displacement, 4,500 tons. Indicated H.P., 5,248. Coal, 940 tons.
Launched, 1885. Cost, £177,800 (about). Speed, $16\frac{1}{4}$ knots.
Armament, four 8-in. Eight 6-in. Two 5-in. Four Q.F. Eight Machine.

CRUISER CLASS—*continued.***CINCINNATI**, D.P.T., 2½ in. (Steel). Twin Screw.

Length, 291 ft. 3 in. Breadth, 42 ft. Draught, 18 ft.
 Displacement, 3,183 tons. Indicated H.P., 10,000. Coal, 556 tons.
 Launched, 1892. Cost, £220,000 (about). Speed, 19 knots.
 Armament, one 6-in. Ten 5-in., Q.F. Eight 6-pounders, Q.F. Four 1-pounders, Q.F. Two Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

COLUMBIA, D.P.T., 4 to 2½ in. (Steel). Three Screws.

Length, 412 ft. Breadth, 58 ft. 2 in. Draught, 22 ft. 6 in.
 Displacement, 7,475 tons. Indicated H.P., 21,500. Coal, 2,400 tons.
 Launched, 1892. Cost, £545,000 (about). Speed, 22½ knots.
 Armament, one 8-in. Two 6-in. Eight 4-in., Q.F. Twelve 6-pounders, Q.F. Four 1-pounders, Q.F.
 Four Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

CONCORD (Steel). Twin Screw.

Length, 230 ft. Breadth, 36 ft. Draught, 14 ft.
 Displacement, 1,700 tons. Indicated H.P., 3,513. Coal, 400 tons.
 Launched, 1890. Cost, £98,000 (about). Speed, 17¼ knots.
 Armament, six 6-in. Two 6-pounders, Q.F. Two 3-pounders, Q.F. Two 1-pounders, Q.F. Four
 Machine.
 Torpedoes, two Launching Carriages.

DETROIT (Steel). Twin Screw.

Length, 257 ft. Breadth, 37 ft. Draught, 14 ft. 6 in.
 Displacement, 2,000 tons. Indicated H.P., 5,400. Coal, 440 tons.
 Launched, 1892. Cost, £122,500 (about). Speed, 18½ knots.
 Armament, two 6-in. Eight 5-in., Q.F. Six 6-pounders, Q.F. Two 1-pounders, Q.F. Two Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

DOLPHIN (Steel). One Screw.

Length, 239 ft. 6 in. Breadth, 31 ft. 10 in. Draught, 14 ft. 2 in.
 Displacement, 1,485 tons. Indicated H.P., 2,300. Coal, 310 tons.
 Launched, 1884. Cost, £61,000. Speed, 15½ knots.
 Armament, two 4-in., Q.F. Two 6-pounders, Q.F. Six Machine.

ESSEX (Wood). One Screw.

Length, 183 ft. 9 in. Breadth, 36 ft. Draught, 14 ft. 2 in.
 Displacement, 1,375 tons. Indicated H.P., 800. Coal, 140 tons.
 Launched, 1874. Cost £70,000 (about). Speed, 10 knots.
 Armament. To get new armament.

LANCASTER (Wood). One Screw.

Length, 236 ft. 3 in. Breadth, 45 ft. 11 in. Draught, 19 ft. 1 in.
 Displacement, 3,250 tons. Indicated H.P., 750. Coal, 290 tons.
 Launched, 1859. Cost, £120,000 (about). Speed, 9½ knots.
 Armament, ten 8-in., M.L.R. Two 6-pounders, Q.F. Two 1-pounders, Q.F. Five Machine, one light.



Photo by G. WEST & SON, Southsea.

S.S. "ST. LOUIS" and "ST. PAUL."
AMERICAN LINE.

Builders and Engines, Wm. Cramp & Sons, Philadelphia. Displacement, 16,000 tons. Indicated H.P., 20,000. Length, 554 ft. Breadth, 63 ft. Draught, 26 ft. Speed, 20 knots. Complement of Crew, 400. Accommodation for 2,500 troops. Armament, Eight 6 in. guns.

CRUISER CLASS—*continued.***MARBLEHEAD** (Steel). Twin Screw.

Length, 257 ft. Breadth, 37 ft. Draught, 14 ft. 2 in.
 Displacement, 2,000 tons. Indicated H.P., 5,400. Coal, 430 tons.
 Launched, 1892. Cost, £122,500 (about). Speed, 18½ knots.
 Armament, two 6-in. Eight 5-in., Q.F. Six 6-pounders, Q.F. Two 1-pounders, Q.F. Two Machine.
 Torpedoes, six fixed tubes, or Launching Carriages.

MINNEAPOLIS, D.P.T., 4 to 2½ in. (Steel). Three Screws.

Length, 412 ft. Breadth, 58 ft. 2 in. Draught, 22 ft. 6 in.
 Displacement, 7,475 tons. Indicated H.P., 21,000. Coal, 2,400 tons.
 Launched, 1893. Cost, £538,000 (about). Speed, 22 knots.
 Armament, one 8-in. Two 6-in., Q.F. Eight 4-in., Q.F. Twelve 6-pounders, Q.F. Four 1-pounders,
 Q.F. Four Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

MONTGOMERY (Steel). Twin Screw.

Length, 257 ft. Breadth, 37 ft. Draught, 14 ft. 6 in.
 Displacement, 2,000 tons. Indicated H.P., 5,400. Coal, 430 tons.
 Launched, 1892. Cost, £122,500 (about). Speed, 18½ knots.
 Armament, two 6-in. Eight 5-in., Q.F. Six 6-pounders, Q.F. Two 1-pounders, Q.F. Two
 Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

NEWARK, D.P.T., 3 to 2 in. (Steel). Twin Screw.

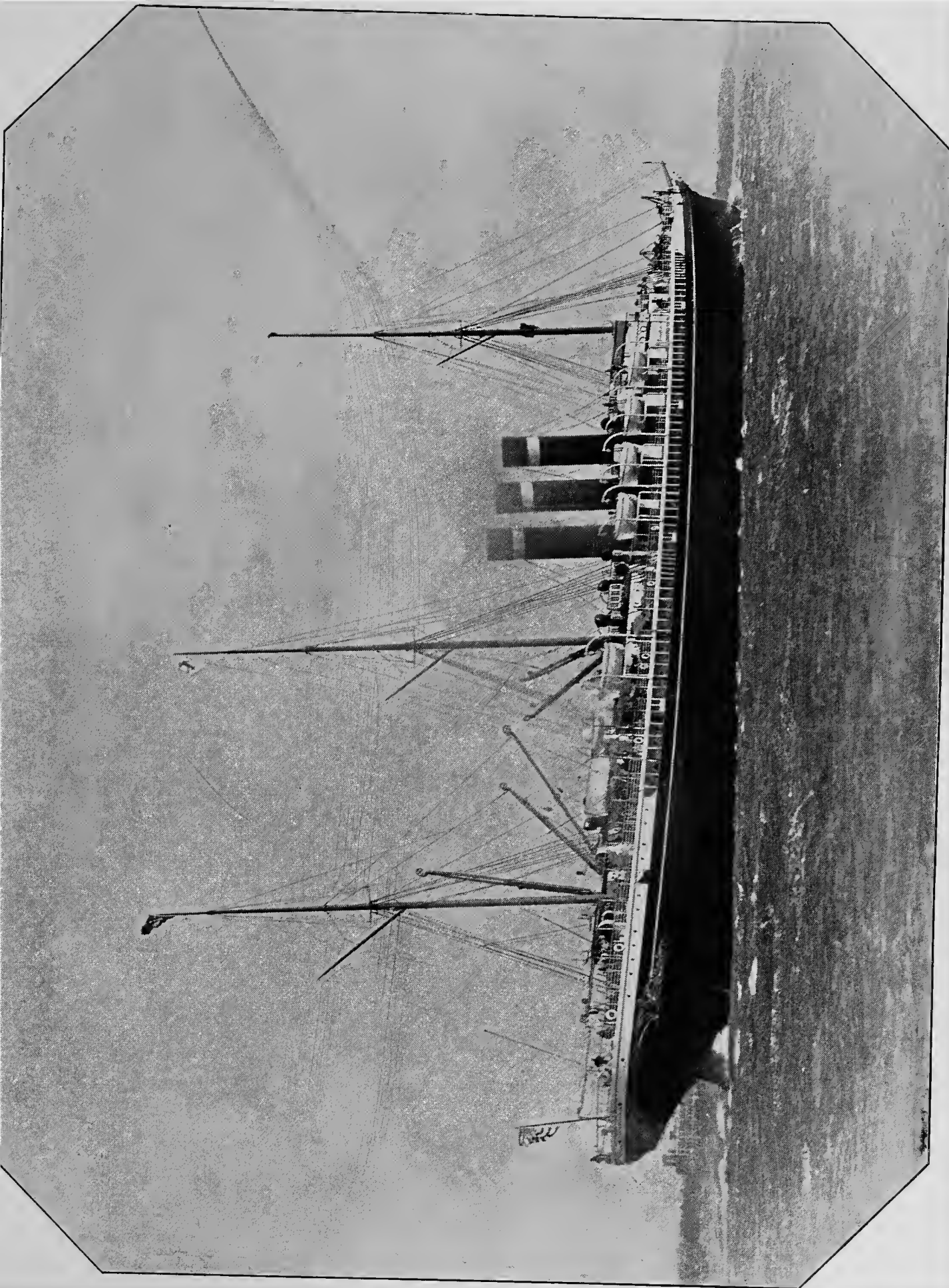
Length, 310 ft. Breadth, 49 ft. Draught, 18 ft. 9 in.
 Displacement, 4,083 tons. Indicated H.P., 8,869. Coal, 850 tons.
 Launched, 1890. Cost, £250,000 (about). Speed, 19 knots.
 Armament, twelve 6-in. Four 6-pounders, Q.F. Four 3-pounders, Q.F. Two 1-pounders, Q.F.
 Seven Machine.

OLYMPIA, D.P.T., 4¾ to 2 in., Barbette 4½ in. (Steel). Twin Screw.

Length, 340 ft. Breadth, 53 ft. Draught, 21 ft. 6 in.
 Displacement, 5,800 tons. Indicated H.P., 13,500. Coal, 1,800 tons.
 Launched, 1892. Cost, £359,200 (about). Speed, 21½ knots.
 Armament, four 8-in. Ten 5-in., Q.F. Fourteen, 6-pounders, Q.F. Six 1-pounders, Q.F. Four
 Machine.
 Torpedoes, six fixed tubes, or Launching Carriages.

PHILADELPHIA, D.P.T., 4 to 2½ in. (Steel). Twin Screw.

Length, 315 ft. Breadth, 48 ft. 6 in. Draught, 19 ft. 3 in.
 Displacement, 4,413 tons. Indicated H.P., 10,500. Coal, 1,170 tons.
 Launched, 1889. Cost, £265,000 (about). Speed, 19½ knots.
 Armament, twelve 6-in. Four 6-pounders, Q.F. Four 1-pounders, Q.F. Seven Machine.
 Torpedoes, four fixed tubes or Launching Carriages.



S.S. "PARIS" and "NEW YORK."

AMERICAN LINE.

Builders and Engines, J. & G. Thomson, Limited, Clyde-bank. Displacement, 10,500 tons. Indicated H.P., 18,500. Speed, 20 knots. Length, 563 ft. Breadth, 63 ft. Draught, 26 ft. Complement of Crew, 400. Accommodation for 2,500 Troops. Armament, eight 6 in. guns.

Photo by WEST & SON, Southampton.

CRUISER CLASS—*continued.***RALEIGH, D.P.T.,** 2½ in. (Steel). Twin Screw.

Length, 291 ft. 3 in. Breadth, 42 ft. Draught, 18 ft.

Displacement, 3,183 tons. Indicated H.P., 10,000. Coal, 556 tons.

Launched, 1892. Cost, 228,600 (about). Speed, 19 knots.

Armament, one 6-in. Ten 5-in., Q.F. Eight 6-pounders, Q.F. Four 1-pounders, Q.F. Two Machine.

Torpedoes, six fixed tubes or Launching Carriages.

YORK TOWN, (Steel). Twin Screw.

Length, 230 ft. Breadth, 36 ft. Draught, 14 ft.

Displacement, 1,703 tons. Indicated H.P., 3,660. Coal, 400 tons.

Launched, 1888. Cost, £98,000 (about.) Speed, 17 knots.

Armament, six 6-in. Two 6-pounders, Q.F. Two 3-pounders, Q.F. Two 1-pounders, Q.F. Four Machine.

Torpedoes, two Launching Carriages.

GUN VESSEL CLASS.
ALERT (Iron). One Screw.

Length, 173 ft. 10 in. Breadth, 31 ft. 10 in. Draught, 12 ft. 10 in.

Displacement, 1,020 tons. Indicated H.P. 656. Coal, 140 tons.

Launched, 1874. Cost, £60,000 (about). Speed, 9 knots.

Armament, one 8-in., 8 ton M.L.R. Four 9 in. smooth bore. One 60-pounder, two light.

CASTINE (Steel). Twin Screw.

Length, 184 ft. 4 in. Breadth, 32 ft. Draught, 12 ft. 2 in.

Displacement, 1,050 tons. Indicated, H.P., 1,600. Coal, 250 tons.

Launched, 1892. Cost, £70,000 (about). Speed, 16 knots.

Armament, eight 4 in., Q.F. Four 6-pounders, Q.F. Two 1-pounders, Q.F. Two Machine.

MACHIAS (Steel). Twin Screw.

Length, 184 ft. 4 in. Breadth, 32 ft. Draught, 12 ft. 2 in.

Displacement, 1,050 tons. Indicated H.P., 1,600. Coal, 250 tons.

Launched, 1892. Cost, £90,000 (about). Speed, 15¼ knots.

Armament, eight 4-in., Q.F. Four 6-pounders, Q.F. Two 1-pounders, Q.F. Two Machine.

PETREL (Steel). One Screw.

Length, 176 ft. 3 in. Breadth, 31 ft. Draught, 11 ft. 7 in.

Displacement, 890 tons. Indicated H.P., 1,513. Coal, 168 tons.

Launched, 1888. Cost, £50,000 (about). Speed, 13½ knots.

Armament, four 6-in. Two 3-pounders, Q.F. Four Machine.

GUN VESSEL CLASS—continued.**RANGER** (Steel). Twin Screw. Surveying.

Length, 173 ft. 10 in. Breadth, 31 ft. 10 in. Draught, 12 ft. 10 in.
 Displacement, 1,020 tons. Indicated H.P., 656. Coal, 127 tons.
 Launched, 1884 (about). Speed, 10 knots.
 Armament, one 60-pounder, M.L., Parrott. One Machine.

SAN FRANCISCO, D.P.T., 3 to 2 in. (Steel). Twin Screw.

Length, 310 ft. Breadth, 49 ft. 2 in. Draught, 18 ft. 9 in.
 Displacement, 4,083 tons. Indicated H.P., 10,400. Coal, 680 tons.
 Launched, 1889. Cost, £270,000 (about). Speed, 20 knots.
 Armament, 12 6-in. Four 6-pounders, Q.F. Four 3-pounders, Q.F. Two 1-pounders, Q.F.
 Seven Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

VESUVIUS (Steel). Twin Screw. Dynamite Gun Cruiser.

Length, 246 ft. Breadth, 26 ft. 6 in. Draught, 10 ft. 7 in.
 Displacement, 930 tons. Indicated H.P., 4,450. Coal, 150 tons.
 Launched, 1888. Cost, £70,000 (about). Speed, 21½ knots.
 Armament, three Dynamite Guns, 15 in. cal. Three 3-pounders, Q.F.

YANTIC (Wood). One Screw.

Length, 180 ft. 5 in. Breadth, 29 ft. 6 in. Draught, 12 ft. 2 in.
 Displacement, 900 tons. Indicated H.P., 670. Coal, 125 tons.
 Launched, 1878. Cost, £35,000 (about). Speed, 9½ knots.
 Armament, one 8-in. M.L.R. Two 9-in., smooth bore. One 60-pounder. One Machine, two light.

TORPEDO GUNBOAT.**No. 1** (Steel). Twin Screws.

Length, 260 ft. Breadth, 27 ft. Draught, 8 ft. 4 in.
 Displacement, 750 tons. Indicated H.P., 6,000. Coal, 150 tons. Speed, 23 knots.
 Armament, three 4-in., Q.F. Four 6-pounders, Q.F. Four 1-pounders, Q.F. Two Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

CORVETTE CLASS.**MARION** (Steel). One Screw.

Length, 216 ft. 6 in. Breadth, 37 ft. Draught, 16 ft. 5 in.
 Displacement, 1,900 tons. Indicated H.P., 1,172. Coal, 160 tons.
 Launched, 1873. Cost, £50,000 (about). Speed, 11 knots.
 Armament, one 8-in., 8 ton M.L.R. Six 9-in. 4 ton smooth bore. One 60-pounder.
 Three Machine, three light.

CORVETTE CLASS—*continued.***MOHICAN** (Steel). One Screw.

Length, 216 ft. 6 in. Breadth, 37 ft. Draught 16 ft. 5 in.

Displacement, 1,900 tons. Indicated H.P., 1,172. Coal, 160 tons.

Launched, 1883. Speed, 11 knots.

Armament, one 8-in. M.L.R. Eight 9-in. smooth bore. One 60-pounder. Three Machine, four light.

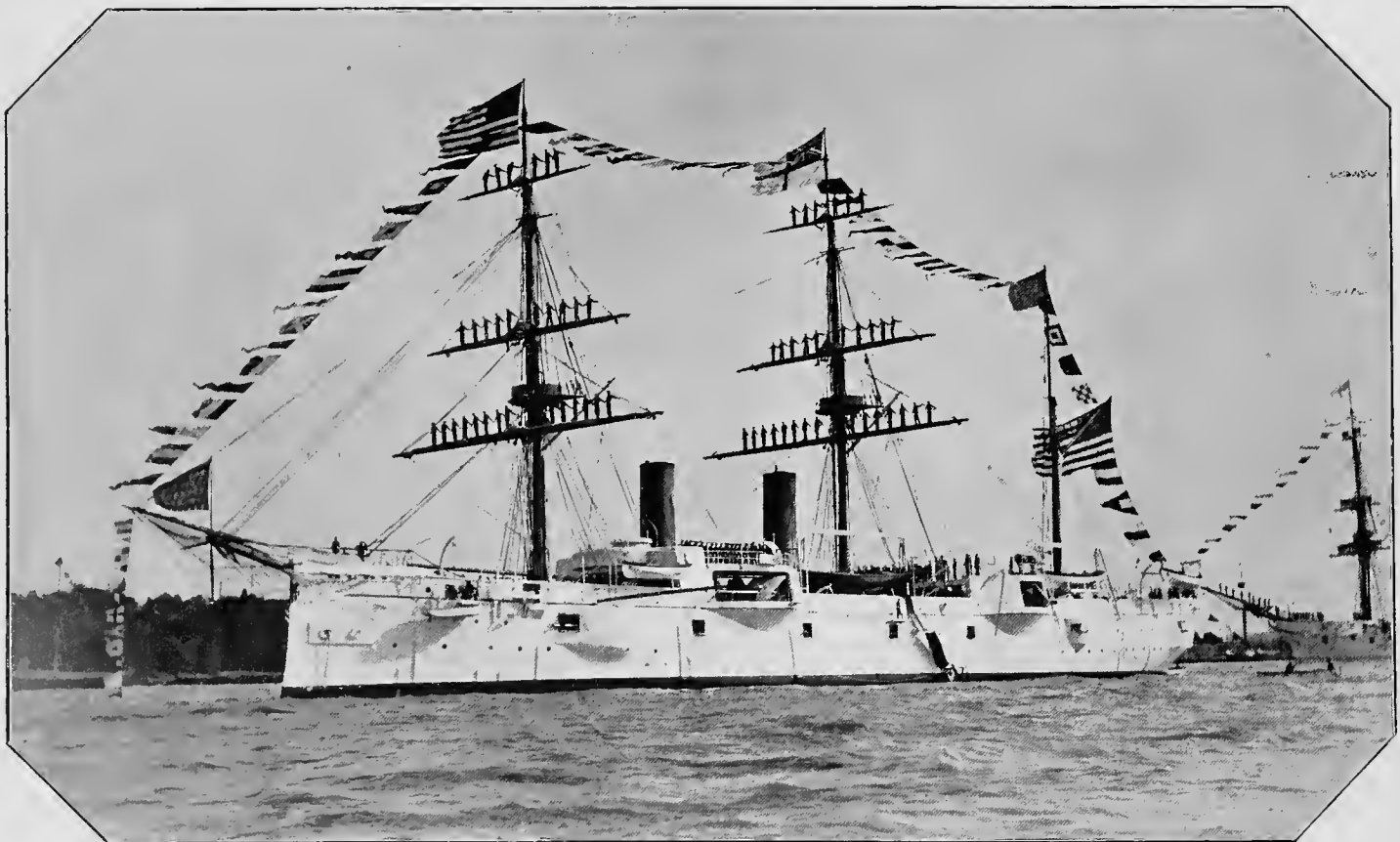
SLOOP CLASS.**ALLIANCE** (Wood). One Screw.

Length, 183 ft. 9 in. Breadth, 36 ft. Draught, 14 ft. 2 in.

Displacement, 1,375 tons. Indicated H.P., 774. Coal, 130 tons.

Launched, 1875. Speed, 9 knots.

Armament, one 8-in., 8 ton M.L.R. Four 9-in. smooth bore. One 60-pounder. One Machine, two light.



United States Cruiser, "CHICAGO."

(See p. 119.)

UNITED STATES TORPEDO BOATS.

FIRST CLASS.

Boats.	NAME OR NUMBER.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Dranght.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	Cushing	116	1,720	138.9	14.1	5.3	22.5	21	3	1890	17	Bristol, R. I.
1	No. 2	120	2,500	150.0	15.6	4.9	24.0	21	3	1892	40	Dubuque, I.

SECOND CLASS.

	Stiletto	30	350	88.6	11.0	3.0	18.2	19	2	1886	5	Bristol, R. I.
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VEDETTE BOATS.

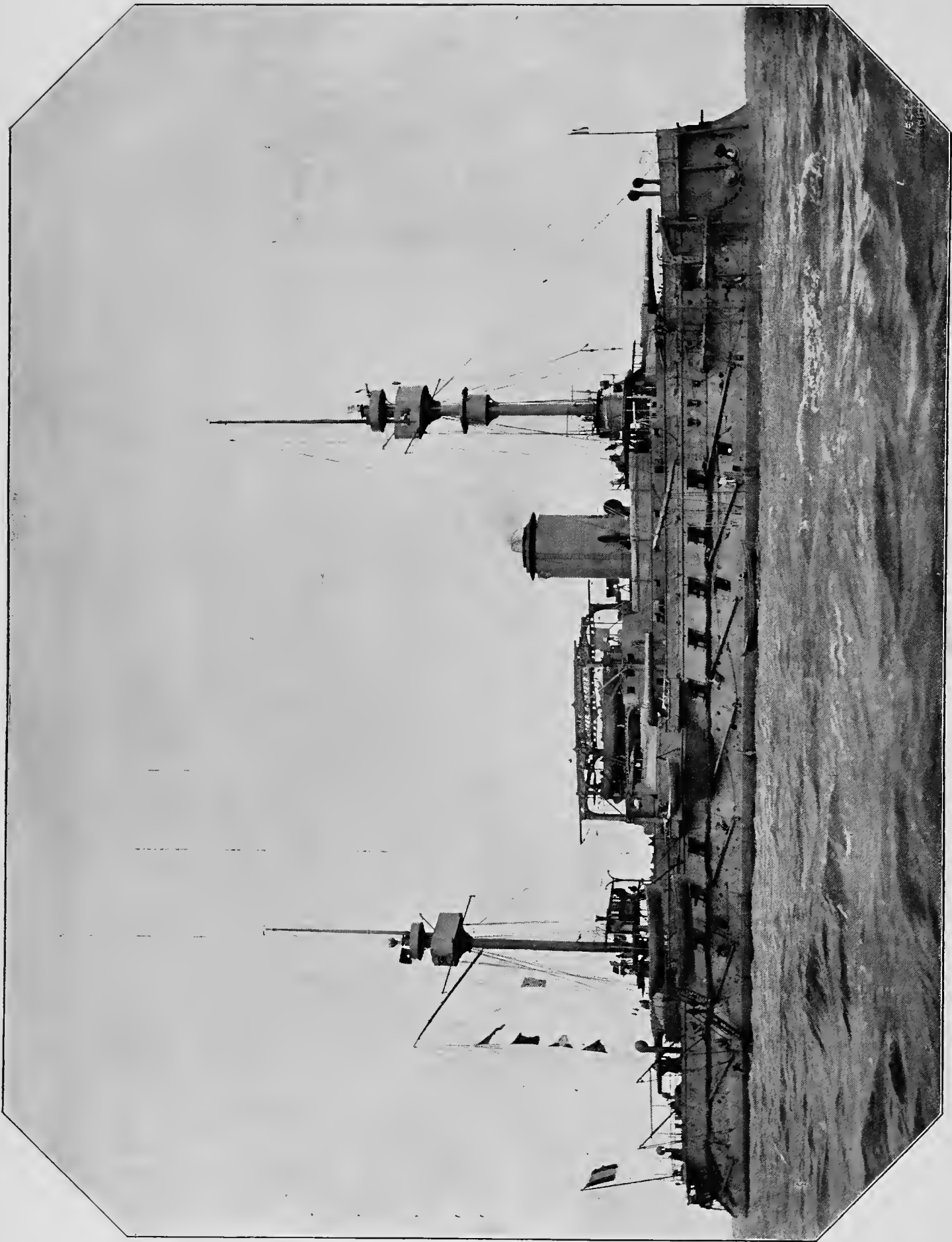
2	2 Boats	148	200	61.7	9.0	3.1	18.0	4	1	...	1	...
2	2 Boats	121	200	50.0	9.0	2.5	17.0	4	1	...	1	...

SUBMARINE.

1	1 Boat	150	1,000	82.0
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Two New Battle Ships to be laid down in 1896.

Six New Gunboats contracted for.



French Battle Ship, "MARCEAU."

(See p. 100.)

FRENCH NAVY.

ARMOURÉD SHIPS.

BARBETTE CLASS.

AMIRAL BAUDIN (Iron and Steel). Twin Screw.

Length, 321 ft. 6 in. Breadth, 69 ft. 10 in. Draught, 26 ft. 2 in.
 Displacement, 11,380 tons. Indicated H.P., 8,320. Coal, 800 tons.
 Launched, 1883. Cost, £600,000 (about). Speed, 15 knots.
 Armour, belt, 21½ in. Battery, 16½ in. (steel). Backing, 14 in. Deck Plating, 4 in.
 Armament, three 37-cm. 75 ton. Four 16-cm. Eight 14-cm., Q.F. Nine 47-mm., Q.F. Fourteen
 Machine.
 Torpedoes, four fixed tubes.

AMIRAL DUPERRÉ (Iron and Steel). Twin Screw.

Length, 311 ft. Breadth, 66 ft. 11 in. Draught, 26 ft. 9 in.
 Displacement, 10,487 tons. Indicated H.P., 8,120. Coal, 850 tons.
 Launched, 1879. Cost, £570,000 (about). Speed, 14¼ knots.
 Armour, belt, 21½ in. Battery, 15½ in. Backing, 14 in. Deck Plating, 2½ in.
 Armament, four 34-cm. 48 ton. One 16-cm. Fourteen 14-cm., 11 Q.F. Eighteen Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

CAÏMAN (Iron and Steel). Twin Screw.

Length, 278 ft. 3 in. Breadth, 59 ft. Draught, 24 ft. 7 in.
 Displacement, 7,200 tons. Indicated H.P., 6,000. Coal, 400 tons.
 Launched, 1885. Speed, 14½ knots.
 Armour, belt, 19½ in. Battery, 17¾ in. Backing, 12 in. Deck Plating, 3 in.
 Armament, two 42-cm. 75 ton. Four 10-cm., Q.F. Two 47 mm., Q.F. Sixteen Machine.

CHARLEMAGNE (Steel). Three Screws.

Length, 385 ft. Breadth, 66 ft. 7 in. Draught, 25 ft. 10 in.
 Displacement, 11,232 tons. Indicated H.P., 14,000. Coal, 1,200 tons.
 Launched, 1895. Cost, £960,000 (about). Speed, 18 knots.
 Armour, belt, 15¾ in. to 3¾ in. Battery 15¾ to 3 in. Deck Plating, 3½ and 1½ in.
 Armament, four 30-cm. Ten 14-cm., Q.F. Six 10-cm., Q.F. Thirty-six 47-mm. and 37-mm., Q.F.
 Torpedoes, six fixed tubes or Launching Carriages.

BARBETTE CLASS—*continued.***FORMIDABLE** (Steel). Twin Screw.

Length, 321 ft. 6 in. Breadth, 69 ft. 6 in. Draught, 26 ft. 2 in.
 Displacement, 11,441 tons. Indicated H.P., 9,700. Coal, 1,200 tons.
 Launched, 1885. Cost, £553,320 (about). Speed, 16 knots.
 Armour, belt, 21½ in. Battery, 17¾ in. Backing, 14 in. Deck Plating, 3 in.
 Armament, three 37-cm. 75 ton. Four 16-cm. Eight 14-cm., Q.F. Nine, 47-mm., Q.F. Fourteen
 Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

HENRY IV. (Building.)

Displacement, 11,232 tons. Indicated H.P., 14,000. Speed, 18 knots (about).
 Armament, four 30-cm. Ten 14-cm., Q.F. Six 10-cm., Q.F., Thirty-six 47 and 37-mm., Q.F.

INDOMPTABLE (Iron and Steel) Twin Screw.

Length, 279 ft. 10 in. Breadth, 59 ft. Draught, 23 ft. 6 in.
 Displacement, 7,168 tons. Indicated H.P., 6,605. Coal, 400 tons.
 Launched, 1883. Speed, 14¾ knots.
 Armour, belt, 20 in. Battery, 17½ in. Deck Plating, 3 in.
 Armament, two 42-cm. 75 ton. Four 10-cm., Q.F. Two 47-mm., Q.F. Sixteen Machine.

MAGENTA (Iron and Steel). Twin Screw.

Length, 330 ft. Breadth, 65 ft. 7 in. Draught, 27 ft. 3 in.
 Displacement, 10,600 tons. Indicated H.P., 12,000. Coal, 800 tons.
 Launched, 1890. Cost, £760,950 (about). Speed, 16½ knots.
 Armour, belt, 18 in. Battery, 16 in. Deck Plating, 3 in.
 Armament, four 34-cm. 52 ton. Seventeen 14-cm., Q.F. Four 65-mm., Q.F. Twelve 47-mm., Q.F.
 Eight Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

MARCEAU (Iron and Steel). Twin Screw.

Length, 330 ft. Breadth, 65 ft. 7 in. Draught, 27 ft. 3 in.
 Displacement, 10,581 tons. Indicated H.P., 12,000 tons. Coal, 800 tons.
 Launched, 1887. Cost, £769,000 (about). Speed, 16½ knots.
 Armour, belt, 18 in. Battery, 16 in. Deck Plating, 3 in.
 Armament, four 34-cm. 52 ton. Seventeen 14-cm., Q.F. Four 65-mm., Q.F. Twelve 47-mm., Q.F.
 Eight Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

NEPTUNE (Iron and Steel). Twin Screw.

Length, 330 ft. Breadth, 65 ft. 7 in. Draught, 27 ft. 3 in.
 Displacement, 10,630 tons. Indicated H.P., 11,045. Coal, 800 tons.
 Launched, 1887. Cost, £780,000 (about). Speed, 16 knots.
 Armour, belt, 18 in. Battery, 16 in. Deck Plating, 3 in.
 Armament, four 34-cm. 52 ton. Seventeen 14-cm., Q.F. Four 65-mm., Q.F. Thirteen 47-mm., Q.F.
 Eight Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

BARBETTE CLASS—*continued.***REQUIN** (Iron and Steel). Twin Screw.

Length, 279 ft. 10 in. Breadth, 59 ft. Draught, 24 ft. 7 in.
 Displacement, 7,200 tons. Indicated H.P., 6,000. Coal, 400 tons.
 Launched, 1885. Speed, 15 knots.
 Armour, belt, 19½ in. Battery, 17¾ in. Deck Plating, 3 in.
 Armament, two 42-cm. 75 ton. Four 10-cm., Q.F. Two 47-mm., Q.F. Sixteen Machine.

TERRIBLE (Iron and Steel). Twin Screw.

Length, 279 ft. 10 in. Breadth, 59 ft. Draught, 24 ft. 7 in.
 Displacement, 7,713 tons. Indicated H.P., 6,230. Coal, 400 tons.
 Launched, 1881. Speed, 14 knots.
 Armour, belt, 19½ in. Battery, 17¾ in. Deck Plating, 3 in.
 Armament, two 42-cm. 75 ton. Four 10-cm., Q.F. Two 47-mm., Q.F. Sixteen Machine.

TURRET CLASS.**BOUVET** (Steel). Three Screws.

Length, 382 ft. 3 in. Breadth, 70 ft. 3 in. Draught, 27 ft. 7 in.
 Displacement, 12,200 tons. Indicated H.P., 13,000. Coal, 621 tons.
 Cost, £979,340 (about). Speed, 17½ knots.
 Armour, belt, 15¾ to 8 in. Turret, 15¾ in. compound, and 4 in. on Battery. Deck Plating, 3½ in.
 Armament, two 30-cm. Two 27-cm. Eight 14-cm., Q.F. Eight 10-cm., Q.F. Twelve 47-mm., Q.F.
 Twenty 37-mm.
 Torpedoes, five fixed tubes or Launching Carriages.

BOUVINES. Twin Screw.

Length, 284 ft. Breadth, 58 ft. 8 in. Draught, 22 ft.
 Displacement, 6,610 tons. Indicated H.P., 8,400. Coal, 300 tons.
 Launched, 1892. Cost, £535,000 (about). Speed, 17 knots.
 Armour, belt, 17¾ to 10 in. Turret, 14½ in. Base, 12½ in. Deck Plating, 4 in.
 Armament, two 30-cm. Eight 10-cm., Q.F. Four 47-mm., Q.F. Ten 37-mm., Q.F.
 Torpedoes, four fixed tubes or Launching Carriages.

BRENNUS (Steel). Twin Screw.

Length, 361 ft. Breadth, 67 ft. Draught, 26 ft. 3 in.
 Displacement, 11,000 tons. Indicated H.P., 14,000. Coal, 800 tons.
 Launched, 1891. Cost, £852,680 (about). Speed, 17½ knots.
 Armour, 15¾ in. compound, 4¾ in. above. Turret, 15¾ in. compound, 4 in. on Battery. Deck
 Plating, 4¾ in.
 Armament, three 34-cm. 58 ton. Ten 16-cm., Q.F. Four 65-mm., Q.F. Eight 47-mm., Q.F. Eight
 Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

TURRET CLASS—*continued.***CHARLES MARTEL** (Steel). Twin Screw.

Length, 392 ft. 6 in. Breadth, 71 ft. 3 in. Draught, 26 ft. 3 in.
 Displacement, 11,882 tons. Indicated H.P., 13,500. Coal, 800 tons.
 Launched, 1893. Cost, £987,600 (about). Speed, 17½ knots.
 Armour, belt, 17¾ in. Turret, 15¾ in. Upper Works, 4 in. Deck Plating, 3½ in.
 Armament, two 30-cm. Two 27-cm. Eight 14-cm., Q.F. Four 65-mm., Q.F. Twelve 47-mm., Q.F.
 Eight 37-mm. Machine.
 Torpedoes, six fixed tubes or Launching Carriages

HOCHE (Iron and Steel). Twin Screw.

Length, 333 ft. Breadth, 65 ft. 7 in. Draught, 27 ft. 3 in.
 Displacement, 10,650 tons. Indicated H.P., 11,300. Coal, 800 tons.
 Launched, 1886. Cost, £700,000 (about). Speed, 16 knots.
 Armour, belt, 18 in. Turret, 16 in. Deck Plating, 3 in.
 Armament, two 34-cm. 52 ton. Two 27-cm. 28 ton. Eighteen 14-cm. 3 ton. Eight Q.F. Twelve
 Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

JAURÉGUIBERRY (Steel). Twin Screw.

Length, 356 ft. Breadth, 72 ft. 8 in. Draught, 27 ft. 9 in.
 Displacement, 11,824 tons. Indicated H.P., 14,200. Coal, 800 tons.
 Launched, 1893. Cost, £980,300 (about). Speed, 17½ knots.
 Armour, belt, 17¾ in. Turret, 14½ in. Upper Works, 4 in. Deck Plating, 2¾ in.
 Armament, two 30-cm. Two 27-cm. Eight 14-cm., Q.F. Four 65-mm., Q.F. Twelve 47-mm., Q.F.
 Eight 37-mm. Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

LAZARE CANOT (Steel). Twin Screw.

Length, 380 ft. Breadth, 70 ft. 6 in. Draught, 20 ft.
 Displacement, 12,008 tons. Indicated H.P., 15,000. Coal, 800 tons.
 Launched (Building). Cost, £994,250 (about). Speed, 17½ knots.
 Armour, belt, 17¾ in. Turret, 14½ in. Upper Works, 4 in. Deck Plating, 2¾ in.
 Armament, two 30-cm. Two 27-cm. Eight 14-cm., Q.F. Four 65-mm., Q.F. Twelve 47-mm., Q.F.
 Eight 37-mm. Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

MASSÉNA (Steel). Three Screws.

Length, 368 ft. 6 in. Breadth, 66 ft. 6 in. Draught, 26 ft. 3 in.
 Displacement, 11,900 tons. Indicated H.P., 12,600. Coal, 635 tons.
 Launched (Building). Cost, £980,284 (about). Speed, 17½ knots.
 Armour, belt, 17¾ to 9¾ in. Schneider Steel, 15½ to 15¾ in. Small Turret, 4 in. Deck Plating, 3½ in.
 Armament, two 30-cm. Two 27-cm. Eight 14-cm., Q.F. Eight 10-cm., Q.F. Twelve 47-mm.
 Eighteen 37-mm. Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

TURRET CLASS—*continued.***SAINT LOUIS** (Steel). Three Screws.

Length, 385 ft. 6 in. Breadth, 66 ft. 7 in. Draught, 25 ft. 10 in.
 Displacement, 11,232 tons. Indicated H.P., 14,000. Coal, 635 tons.
 Launched (Building). Cost, £960,000 (about). Speed, 18 knots.
 Armour, belt, 15 $\frac{3}{4}$ in. Turret, 15 $\frac{3}{4}$ to 3 in. Deck Plating, 3 $\frac{1}{2}$ to 1 $\frac{1}{2}$ in.
 Armament, four 30-cm. Ten 14-cm., Q.F. Six 10-cm., Q.F. Three 47-mm. Eighteen 37-mm.
 Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

TRÉHOUART (Steel). Twin Screw.

Length, 284 ft. Breadth, 58 ft. 6 in. Draught, 22 ft.
 Displacement, 6,610 tons. Indicated H.P., 8,400. Coal, 300 tons.
 Launched, 1893. Cost, £506,960 (about). Speed, 17 knots.
 Armour, belt, 17 $\frac{3}{4}$ to 10 in. Turret, 14 $\frac{1}{2}$ in. Base, 12 $\frac{1}{2}$ in. Deck Plating, 4 and 2 $\frac{3}{4}$ in.
 Armament, two 30-cm. Eight 10-cm. (Canet), Q.F. Ten 37-mm., Q.F.
 Torpedoes, four fixed tubes or Launching Carriages.

CENTRAL BATTERY AND BARBETTE CLASS.**COLBERT** (Wood). One Screw.

Length, 317 ft. 9 in. Breadth, 56 ft. 6 in. Draught, 28 ft. 5 in.
 Displacement, 8,457 tons. Indicated H.P., 4,652. Coal, 700 tons.
 Launched, 1875. Speed, 14 $\frac{1}{2}$ knots.
 Armour, belt, 8 $\frac{1}{2}$ in. Battery, 6 $\frac{1}{4}$ in. Backing, 34 in.
 Armament, eight 27-cm. 23 ton. Two 24-cm. 16 ton. Six 14-cm. 3 ton. Two Q.F. Fourteen
 Machine.

COURBET (Iron and Steel). Twin Screw.

Length, 312 ft. Breadth, 67 ft. Draught, 25 ft.
 Displacement, 9,652 tons. Indicated H.P., 8,100. Coal, 900 tons.
 Launched, 1881. Cost, £800,000 (about). Speed, 15 knots.
 Armour, belt, 15 in. Barbette, 9 $\frac{1}{2}$ in. Deck Plating, 2 $\frac{1}{2}$ in.
 Armament, four 34-cm. 48 ton. Four 27-cm. 23 ton. Six 14-cm. 3 ton. Two Q.F. Eighteen
 Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

DEVASTATION (Iron and Steel). Twin Screw.

Length, 312 ft. Breadth, 67 ft. Draught, 25 ft.
 Displacement, 9,639 tons. Indicated H.P., 8,320. Coal, 950 tons.
 Launched, 1879. Cost, £800,500 (about). Speed, 15 knots.
 Armour, belt, 15 in. Barbette, 9 $\frac{1}{2}$ in. Backing, 12 $\frac{1}{2}$ in. Deck Plating, 2 $\frac{1}{2}$ in.
 Armament, four 34-cm. 48 ton. Four 27-cm. 23 ton. Six 14-cm. 3 ton. Two Q.F. Eighteen
 Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

CENTRAL BATTERY AND BARBETTE CLASS—*continued.***FRIEDLAND** (Iron). One Screw.

Length, 317 ft. Breadth, 58 ft. Draught, 29 ft. 11 in.
 Displacement, 8,824 tons. Indicated H.P., 4,428. Coal, 630 tons.
 Launched, 1873. Speed, $13\frac{1}{4}$ knots.
 Armour, belt, 8 in. Barbette, 7 in. Backing, 15 in.
 Armament, eight 27-cm. 23 ton. Eight 14-cm. 3 ton. Twenty Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

MARENGO (Wood). One Screw.

Length, 282 ft. 6 in. Breadth, 56 ft. 10 in. Draught, 27 ft. 8 in.
 Displacement, 7,748 tons. Indicated H.P., 3,673. Coal, 700 tons.
 Launched, 1869. Cost, £280,000 (about). Speed, 13 knots.
 Armour, belt, 8 in. Barbette, $6\frac{1}{4}$ in. Backing, 32 in.
 Armament, four 27-cm. 23 ton. Four 24-cm. 16 ton. Seven 14-cm. Twelve Machine.

OCEAN (Wood). Twin Screw.

Length, 282 ft. 6 in. Breadth, 56 ft. 10 in. Draught, 27 ft. 3 in.
 Displacement, 7,750 tons. Indicated H.P., 3,781. Coal, 650 tons.
 Launched, 1868. Speed, $13\frac{1}{2}$ knots.
 Armour, belt, 8 in. Barbette, $6\frac{1}{4}$ in. Backing, 32 in.
 Armament, four 27-cm. Four 24-cm. Eight 14-cm. 3 ton. Three Q.F. Twelve Machine.

REDOUBTABLE (Iron and Steel). Twin Screw.

Length, 318 ft. 2 in. Breadth, 64 ft. 8 in. Draught, 25 ft. 6 in.
 Displacement, 8,860 tons. Indicated H.P., 6,071. Coal, 1,000 tons.
 Launched, 1876. Speed, 14 knots.
 Armour, belt, 14 in. Barbette, $9\frac{1}{2}$ in. Backing, 15 in. Deck Plating, $2\frac{1}{2}$ in.
 Armament, eight 27-cm. 23 ton. Six 14-cm. 3 ton. Two Q.F. Twelve Machine.

RICHELIEU (Wood). Twin Screw.

Length, 323 ft. 6 in. Breadth, 57 ft. 10 in. Draught, 27 ft. 11 in.
 Displacement, 8,767 tons. Indicated H.P., 4,006. Coal, 640 tons.
 Launched, 1873. Speed, 13 knots.
 Armour, belt, $8\frac{1}{2}$ in. Barbette, $6\frac{1}{4}$ in.
 Armament, six 27-cm. 23 ton. Five 24-cm. 16 ton. Eight 14-cm. Eighteen Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

SUFFREN (Wood). One Screw.

Length, 282 ft. 6 in. Breadth, 57 ft. 10 in. Draught, 29 ft. 10 in.
 Displacement, 7,782 tons. Indicated H.P., 4,288. Coal, 700 tons.
 Launched, 1870. Speed, 14 knots.
 Armour, belt, 8 in. Barbette, $6\frac{1}{4}$ in. Backing, 32 in.
 Armament, four 27-cm. Two 24-cm. Six 14-cm. 3 tons. Twelve Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

CENTRAL BATTERY AND BARBETTE CLASS—*continued.***THÉTIS** (Wood). One Screw.

Length, 230 ft. 3 in. Breadth, 46 ft. 2 in. Draught, 20 ft. 10 in.
 Displacement, 3,624 tons. Indicated H.P., 1,859. Coal, 300 tons.
 Launched, 1867. Speed, 12 knots.
 Armour, belt, 6 in. Battery, $4\frac{3}{4}$ in. Backing, 26 in.
 Armament, six 19-cm. 8 ton. Four 14-cm. Four Machine.

TRIDENT (Wood). One Screw.

Length, 317 ft. 9 in. Breadth, 56 ft. 4 in. Draught, 29 ft. 1 in.
 Displacement, 8,456 tons. Indicated H.P., 4,652. Coal, 650 tons.
 Launched, 1876. Speed, 14 knots.
 Armour, belt, $8\frac{1}{2}$ in. Barbette, $6\frac{1}{4}$ in. Backing, 34 in.
 Armament, eight 27-cm. 23 ton. Two 24-cm. 16 ton. Six 14-cm. Two Q.F. Fourteen Machine.
 Torpedoes, two fixed tubes or Launching Carriages.

TRIOMPHANTE (Wood). One Screw.

Length, 258 ft. 2 in. Breadth, 48 ft. 9 in. Draught, 22 ft. 5 in.
 Displacement, 4,700 tons. Indicated H.P., 2,400. Coal, 410 tons.
 Launched, 1877. Speed, $12\frac{1}{2}$ knots.
 Armour, belt, 6 in. Battery, $4\frac{3}{4}$ in. Backing, 26 in.
 Armament, six 24-cm. 16 ton. One 19-cm. 8 ton. Six 14-cm. Eight Machine.

VICTORIEUSE (Wood). One Screw.

Length, 258 ft. 2 in. Breadth, 48 ft. 9 in. Draught, 22 ft. 5 in.
 Displacement, 4,700 tons. Indicated H.P., 2,214. Coal, 400 tons.
 Launched, 1875. Speed, $12\frac{1}{2}$ knots.
 Armour, belt, 6 in. Barbette, $4\frac{3}{4}$ in. Backing, 26 in.
 Armament, six 24-cm. 16 ton. One 19-cm. 8 ton. Six 14-cm. Eight Machine.

COAST DEFENCE TURRET CLASS (also BARBETTE).**BÉLIER** (Wood). Twin Screw. Turret.

Length, 217 ft. Breadth, 53 ft. Draught, 19 ft. 1 in.
 Displacement, 3,590 tons. Indicated H.P., 1,921. Coal, 250 tons.
 Launched, 1870. Speed, $12\frac{1}{4}$ knots.
 Armour, belt, $8\frac{1}{2}$ in. Turret, 7 in. Backing, $31\frac{1}{2}$ in.
 Armament, two 24-cm. 16 ton. Four Machine.

BOULDOGUE (Wood). Twin Screw. Turret.

Length, 217 ft. Breadth, 53 ft. Draught, 18 ft. 2 in.
 Displacement, 3,500 tons. Indicated H.P., 1,827. Coal, 250 tons.
 Launched, 1872. Speed, $12\frac{1}{4}$ knots.
 Armour, belt $8\frac{1}{2}$ in. Turret, 7 in. Backing, $31\frac{1}{2}$ in.
 Armament, two 24-cm. 16 ton. Four Machine.

COAST DEFENCE TURRET CLASS—*continued.***FULMINANT** (Iron and Steel). One Screw. Turret.

Length, 248 ft. Breadth, 57 ft. 9 in. Draught, 21 ft. 4 in.
 Displacement, 5,651 tons. Indicated H.P., 4,500. Coal, 400 tons.
 Launched, 1877. Speed, $13\frac{3}{4}$ knots.
 Armour, belt, 13 in. Turret, 12 in. Backing, 16 in. Deck Plating, 2 in.
 Armament, two 27-cm. 23 ton. Four 47-mm., Q.F. Six Machine.
 Torpedoes, two Launching Carriages.

FURIEUX (Iron and Steel). Twin Screw. Barbette.

Length, 247 ft. 10 in. Breadth, 57 ft. 9 in. Draught, 21 ft. 9 in.
 Displacement, 6,000 tons. Indicated H.P., 5,033. Coal, 290 tons.
 Launched, 1883. Cost, £264,640 (about). Speed, 14 knots.
 Armour, belt, 20 in. Battery, $17\frac{3}{4}$ in. Deck Plating, $3\frac{1}{2}$ in.
 Armament, two 34-cm. 48 ton. Five 47-mm., Q.F. Ten Machine.
 Torpedoes, two Launching Carriages.

JEMMAPES. Twin Screw. Turret.

Length, 284 ft. Breadth, 57 ft. 8 in. Draught, 22 ft.
 Displacement, 6,590 tons. Indicated H.P., 8,400. Coal, 300 tons.
 Launched, 1892. Cost £525,000 (about). Speed, $16\frac{1}{2}$ knots.
 Armour, belt, $17\frac{3}{4}$ to 10 in. Turret, $17\frac{3}{4}$ in. Deck Plating, 4 to $2\frac{3}{4}$ in.
 Armament, two 34-cm. 48 ton. Four 10-cm., Q.F. Ten 37-mm., Q.F.
 Torpedoes, four fixed tubes or Launching Carriages.

TEMPÊTE (Iron and Steel). One Screw. Turret.

Length, 248 ft. Breadth, 57 ft. 9 in. Draught, 16 ft. 9 in.
 Displacement, 4,869 tons. Indicated H.P., 2,193. Coal, 200 tons.
 Launched, 1876. Speed, $11\frac{3}{4}$ knots.
 Armour, belt, 13 in. Turret, 12 in. Backing, $15\frac{3}{4}$ in. Deck Plating, 2 in.
 Armament, two 27-cm. 28 ton. Four 47-mm., Q.F. Six Machine.
 Torpedoes, two Launching Carriages.

TONNANT (Iron and Steel). One Screw. Barbette.

Length, 248 ft. 7 in. Breadth, 58 ft. 5 in. Draught, 17 ft. 3 in.
 Displacement, 5,100 tons. Indicated H.P., 1,935. Coal, 200 tons.
 Launched, 1880. Speed, $11\frac{1}{2}$ knots.
 Armour, belt, 18 in. Battery, $14\frac{1}{2}$ in. Backing, $15\frac{3}{4}$ in. Deck Plating, 3 in.
 Armament, two 34-cm. 48 ton. Four Machine.

TONNERRE (Iron and Steel). One Screw. Turret.

Length, 248 ft. Breadth, 57 ft. 9 in. Draught, 21 ft. 4 in.
 Displacement, 5,589 tons. Indicated H.P., 4,165. Coal, 400 tons.
 Launched, 1875. Speed, 14 knots.
 Armour, belt, 13 in. Turret, 12 in. Backing, $15\frac{3}{4}$ in. Deck Plating, 2 in.
 Armament, two 27-cm. 28 ton. Four 47-mm., Q.F. Six Machine.
 Torpedoes, two Launching Carriages.

COAST DEFENCE TURRET CLASS—*continued.***VALMY.** Twin Screws. Turret.

Length, 284 ft. Breadth, 57 ft. 8 in. Draught, 22 ft.
 Displacement, 6,590 tons. Indicated H.P., 8,400. Coal, 300 tons.
 Launched, 1892. Cost, £525,000 (about). Speed, 17 knots.
 Armour, belt, 17 $\frac{3}{4}$ to 10 in. Turret, 17 $\frac{3}{4}$ in. Deck Plating, 4 to 2 $\frac{3}{4}$ in.
 Armament, two 34-cm. 48 ton. Four 10-cm. (Canet), Q.F. Ten 37-mm., Q.F.
 Torpedoes, two fixed tubes or Launching Carriages.

VENGEUR (Iron and Steel). Twin Screws. Turret.

Length, 248 ft. Breadth, 57 ft. 9 in. Draught, 16 ft. 9 in.
 Displacement, 4,700 tons. Indicated H.P., 2,030. Coal, 200 tons.
 Launched, 1878. Speed, 10 $\frac{3}{4}$ knots.
 Armour, belt 13 in. Turret, 12 in. Backing, 15 $\frac{3}{4}$ in. Deck Plating, 2 in.
 Armament, two 34-cm. 48 ton. Four 47-mm., Q.F. Six Machine.
 Torpedoes, two Launching Carriages.

ARMED CRUISER CLASS.
BAYARD (Wood). Twin Screw.

Length, 265 ft. 9 in. Breadth, 57 ft. 2 in. Draught, 24 ft. 11 in.
 Displacement, 5,986 tons. Indicated H.P., 4,538. Coal, 500 tons.
 Launched, 1880. Speed, 14 knots.
 Armour, belt, 10 in. Battery, 8 in. Backing, 15 in. Deck Plating, 2 in.
 Armament, four 24-cm. 16 ton. Two 19-cm. 8 ton. Six 14-cm. 3 ton. Two 65-mm. Twelve Machine.

BRUIX, Turret (Steel). Twin Screw.

Length, 348 ft. Breadth, 46 ft. Draught, 19 ft. 2 in.
 Displacement, 4,745 tons. Indicated H.P., 8,300. Coal, 413 tons.
 Cost, £352,592 (about). Speed, 19 knots.
 Armour, belt, 3 $\frac{1}{2}$ in. Deck Plating, 2 $\frac{1}{2}$ in.
 Armament, two 19-cm. Six 14-cm., Q.F. Four 65-mm., Q.F. Four 47-mm., Q.F. Six 37-mm.
 Machine.

CHANZY, Turret (Steel). Twin Screw.

Length, 348 ft. Breadth, 46 ft. Draught, 19 ft. 2 in.
 Displacement, 4,745 tons. Indicated H.P., 8,300. Coal, 406 tons.
 Launched, 1894. Cost, £360,000 (about). Speed, 19 knots.
 Armour, belt, 3 $\frac{1}{2}$ in. Battery Turret, 2 in. Deck Plating, 2 to 1 $\frac{1}{2}$ in.
 Armament, two 19-cm. Six 14-cm., Q.F. Four 65-mm., Q.F. Six 47-mm., Q.F. Six 37-mm.
 Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

ARMED CRUISER CLASS—*continued.***CHARNER**, Turret (Steel). Twin Screw.

Length, 348 ft. Breadth, 46 ft. Draught, 19 ft. 2 in.
 Displacement, 4,745 tons. Indicated H.P., 8,300. Coal, 413 tons.
 Launched, 1893. Cost, £353,200 (about). Speed, 19 knots.
 Armour, belt, $3\frac{1}{2}$ in. Battery, 2 in. Deck Plating, 2 to $1\frac{1}{2}$ in.
 Armament, two 19-cm. Six 14-cm., Q.F. Four 65-mm., Q.F. Six 47-mm., Q.F. Four 37-mm.
 Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

DUGUESCLIN, Barbette (Steel, sheathed with Copper). Twin Screw.

Length, 266 ft. Breadth, 57 ft. Draught, 25 ft. 3 in.
 Displacement, 5,894 tons. Indicated H.P., 3,300. Coal, 400 tons.
 Launched, 1883. Cost, £220,000 (about). Speed, 14 knots.
 Armour, belt, 9 in. Barbette, 8 in. compound. Backing, 15 in. Deck Plating, 2 in.
 Armament, four 24-cm. 16 ton. One 19-cm. 8 ton. Six 14-cm. 3 ton. Ten Machine.
 Torpedoes, two Launching Carriages.

DUPUY DE LÔME. Three Screws.

Length, 374 ft. Breadth, 51 ft. 6 in. Draught, 26 ft. 6 in.
 Displacement, 6,297 tons. Indicated H.P., 14,000. Coal, 900 tons.
 Launched, 1890. Cost, £416,000 (about). Speed, 20 knots.
 Armour, belt, 4 in. Battery, 4 in. Deck Plating, 2 in.
 Armament, two 19-cm. 11 ton. Six 16-cm., Q.F. Two 65-mm., Q.F. Two 47-mm., Q.F. Eight
 Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

LA GALISSONNIÈRE, Barbette (Wood). Twin Screw.

Length, 255 ft. 8 in. Breadth, 49 ft. Draught, 23 ft. 9 in.
 Displacement, 4,700 tons. Indicated H.P., 2,370. Coal, 450 tons.
 Launched, 1872. Speed, 13 knots.
 Armour, belt, 6 in. Battery, $4\frac{3}{4}$ in. Backing, 26 in.
 Armament, six 24-cm. 16 ton. Six 14-cm. 3 ton. Eight Machine.

LATOUCHE TRÉVILLE, Turret (Steel). Twin Screw.

Length, 348 ft. Breadth, 46 ft. Draught, 19 ft. 2 in.
 Displacement, 4,745 tons. Indicated H.P., 8,300. Coal, 406 tons.
 Launched, 1892. Cost, £360,000 (about). Speed, 19 knots.
 Armour, belt, $3\frac{3}{8}$ in. Battery, $3\frac{3}{4}$ in., Conning Tower. Deck Plating, 2 to $1\frac{1}{2}$ in.
 Armament, two 19-cm. Six 14-cm., Q.F. Four 65-mm., Q.F. Six 47-mm., Q.F. Six 37-mm.
 Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

POTHNAU, Turret (Steel). Twin Screw.

Length, 370 ft. 6 in. Breadth, 50 ft. 2 in. Draught, 21 ft. 4 in.
 Displacement, 5,320 tons. Indicated H.P., 10,000. Coal, 538 tons.
 Launched, 1895. Cost, £384,000 (about). Speed, 20 knots.
 Armour, belt, $3\frac{1}{8}$ and 2 in. Battery, 7 in. Conning Tower, $9\frac{1}{2}$ in. Deck Plating, $3\frac{3}{8}$ to $1\frac{3}{8}$ in.
 Armament, two 19-cm. Ten 14-cm., Q.F. Sixteen 47-mm., Q.F. Eight 37-mm., Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

ARMED CRUISER CLASS—*continued.***TURENNE** (Wood). Twin Screw.

Length, 265 ft. 9 in. Breadth, 57 ft. 2 in. Draught, 23 ft. 11 in.
 Displacement, 6,400 tons. Indicated H.P., 4,160. Coal, 500 tons.
 Launched, 1879. Speed, 14 knots.
 Armour, belt, 10 in. Battery, 8 in. Backing, 15 in. Deck Plating, 2 in.
 Armament, four 24-cm. 16 ton. Two 19-cm. 8 ton. Six 14-cm. 3 ton. Twelve Machine.

VAUBAN (Steel). Twin Screw.

Length, 267 ft. 9 in. Breadth, 57 ft. 3 in. Draught, 24 ft.
 Displacement, 6,150 tons. Indicated H.P., 4,560. Coal, 550 tons.
 Launched, 1882. Speed, 14½ knots.
 Armour, belt, 10 in. Battery, 8 in. Backing, 15 in. Deck Plating, 2 in.
 Armament, four 24-cm. 16 ton. One 19-cm. Six 14-cm. Twelve Machine.
 Torpedoes, two Launching Carriages.

COAST DEFENCE GUNBOAT CLASS.**ACHÉRON** (Steel). Twin Screw.

Length, 181 ft. Breadth, 40 ft. 4 in. Draught, 11 ft. 10 in.
 Displacement, 1,640 tons. Indicated H.P., 1,700. Coal, 100 tons.
 Launched, 1885. Cost, £100,000 (about). Speed, 13 knots.
 Armour, belt, 8 in. Battery, 8 in. Deck Plating, 2½ in.
 Armament, one 27-cm. 28 ton. Three 10-cm., Q.F. Two 47-mm., Q.F. Four Machine.

COCYTE (Steel). Twin Screw.

Length, 181 ft. 10 in. Breadth, 40 ft. 4 in. Draught, 11 ft. 10 in.
 Displacement, 1,640 tons. Indicated H.P., 1,700. Coal, 100 tons.
 Launched, 1887. Cost, £100,000 (about). Speed, 13 knots.
 Armour, belt, 8 in. Battery, 8 in. Deck Plating, 2½ in.
 Armament, one 27-cm. 28 ton. Three 10-cm., Q.F. Two 47-mm., Q.F. Four Machine.

FLAMME (Special Metal). Twin Screw.

Length, 165 ft. Breadth, 32 ft. 7 in. Draught, 10 ft. 4 in.
 Displacement, 1,046 tons. Indicated H.P., 1,500. Coal, 120 tons.
 Launched, 1885. Cost, £68,000 (about). Speed, 13 knots.
 Armour, belt, 10 in. Battery, 4 in. shield. Deck Plating, 2 in.
 Armament, one 24-cm. 16 ton. One 9-cm. Four Machine.
 Torpedo, one fixed tube.

FUSÉE (Steel, Copper Sheathed). Twin Screw.

Length, 165 ft. Breadth, 32 ft. 7 in. Draught, 10 ft. 4 in.
 Displacement, 1,150 tons. Indicated H.P., 1,500. Coal, 120 tons.
 Launched, 1884. Cost, £68,000 (about). Speed, 13 knots.
 Armour, belt, 10 in. Battery, 4 in. shield. Deck Plating, 2 in.
 Armament, one 24-cm. 16 ton. One 9-cm. Four Machine.
 Torpedo, one fixed tube.

COAST DEFENCE GUNBOAT CLASS—*continued.***GRENADE**, same as *Fusée*.

Displacement, 1,046 tons. Launched, 1888.

MITRAILLE (Steel, Copper Sheathed). Twin Screw.

Length, 165 ft. Breadth, 32 ft. 7 in. Draught, 10 ft. 4 in.
 Displacement, 1,130 tons. Indicated H.P., 1,500. Coal, 120 tons.
 Launched, 1886. Cost, £70,000 (about). Speed, 13 knots.
 Armour, belt, 10 in. Battery, 4 in. shield. Deck Plating, 2 in.
 Armament, one 27-cm. 16 ton. One 9-cm. Four Machine.
 Torpedo, one fixed tube.

PHLÉGÉTON (Steel). Twin Screw.

Length, 187 ft. Breadth, 40 ft. 4 in. Draught, 11 ft. 10 in.
 Displacement, 1,790 tons. Indicated H.P., 1,700. Coal, 72 tons.
 Launched, 1890. Cost, £142,000 (about). Speed, 12½ knots.
 Armour, belt, 9 in. Battery, 8 in. Deck Plating, 2 in.
 Armament, one 27-cm. 28 ton. One 14-cm., Q.F. Four 47-mm., Q.F. Four Machine.

STYX (Steel). Twin Screw.

Length, 187 ft. Breadth, 40 ft. 4 in. Draught, 11 ft. 10 in.
 Displacement, 1,790 tons. Indicated H.P., 1,700. Coal, 72 tons.
 Launched, 1892. Cost, £142,000 (about). Speed, 13 knots.
 Armour, belt, 9 in. Battery, 8 in. Deck Plating, 2 in.
 Armament, one 27-cm. 28 ton. One 14-cm., Q.F. Four 47-mm., Q.F. Four Machine.

UNARMoured SHIPS.

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FIRST-CLASS CRUISERS.**CÉCILLE**, D.P.T., 2 in. (Iron and Steel). Twin Screw.

Length, 378 ft. 9 in. Breadth, 49 ft. 3 in. Draught, 19 ft. 9 in.
 Displacement, 5,766 tons. Indicated H.P., 9,600. Coal, 940 tons.
 Launched, 1888. Cost, £299,666 (about). Speed, 19 knots.
 Armament, eight 16-cm. 5 ton. Ten 14-cm. 3 ton. Six 47-mm., Q.F. Fourteen Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

D'ENTRECASTEAUX, D.P.T., 4 to $\frac{3}{4}$ in. (Steel, 10 Shields). Twin Screw.

Length, 384 ft. Breadth, 58 ft. 6 in. Draught, 23 ft. 6 in.
 Displacement, 8,114 tons. Indicated H.P., 14,000. Coal, 1,000 tons.
 Cost, £620,000 (about). Speed, 20 knots.
 Armament, two 24-cm. Twelve 14-cm., Q.F. Twelve 47-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, seven fixed tubes or Launching Carriages (two submerged).

JEANNE D'ARC, D.P.T. *Proposed*.**JURIEN DE LA GRAVIÈRE** (*Building at Toulon*).**TAGE**, D.P.T., 2 in. (Steel). Twin Screw.

Length, 390 ft. Breadth, 53 ft. 8 in. Draught, 22 ft. 10 in.
 Displacement, 4,345 tons. Indicated H.P., 10,330. Coal, 1,000 tons.
 Launched, 1886. Speed, 19 knots.
 Armament, eight 16-cm. 5 ton. Ten 14-cm. 3 ton. Six Q.F. Fourteen Machine.
 Torpedoes, seven fixed tubes or Launching Carriages.

SECOND-CLASS CRUISERS.**ALGER**, D.P.T., $3\frac{1}{2}$ in. (Steel). Twin Screw.

Length, 346 ft. Breadth, 45 ft. 3 in. Draught, 19 ft. 6 in.
 Displacement, 4,122 tons. Indicated H.P., 8,254. Coal, 860 tons.
 Launched, 1889. Cost, £280,000 (about). Speed, $19\frac{1}{2}$ knots.
 Armament, four 16-cm., Q.F. Six 14-cm., Q.F. Ten 47-mm., Q.F. Ten Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

ARÉTHUSE (Wood). One Screw.

Length, 277 ft. 6 in. Breadth, 43 ft. 6 in. Draught, 21 ft. 9 in.
 Displacement, 3,649 tons. Indicated H.P., 4,200. Coal, 500 tons.
 Launched, 1882. Speed, 14 knots.
 Armament, four 16-cm. 5 ton. Twenty-two 14-cm. 3 ton. Eight Machine.

SECOND-CLASS CRUISERS—*continued.***BUGEAUD**, D.P.T., 4 to $2\frac{3}{4}$ in. (Steel). Twin Screw.

Length, 308 ft. 6 in. Breadth, 43 ft. 6 in. Draught, 20 ft. 10 in.
 Displacement, 3,722 tons. Indicated H.P., 9,000. Coal, 588 tons.
 Launched, 1893. Cost, £260,330 (about). Speed, 19 knots.
 Armament, six 16-cm., Q.F. Four 10-cm., Q.F. Eight 47-mm., Q.F. Twelve 37-mm., Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

CASSARD, D.P.T., $3\frac{1}{4}$ to $1\frac{1}{4}$ in. (Steel). Twin Screw.

Length, 325 ft. 6 in. Breadth, 44 ft. 11 in. Draught, 19 ft.
 Displacement, 3,972 tons. Indicated H.P., 9,600. Coal, 580 tons.
 Launched, building. Cost, £272,000 (about). Speed, 19 knots.
 Armament, six 16-cm., Q.F. Four 10-cm., Q.F. Twelve 47-mm. Sixteen 37-mm.
 Torpedoes, six fixed tubes or Launching Carriages.

CATINAT, D.P.T., $1\frac{3}{4}$ to $1\frac{1}{4}$ in. (Steel, Copper Sheathed). Twin Screw.

Length, 328 ft. 9 in. Breadth, 41 ft. 4 in. Draught, 19 ft. 8 in.
 Displacement, 3,998 tons. Indicated H.P., 9,000. Coal, 580 tons.
 Launched, building. Speed, 19 knots. Cost, £270,000 (about).
 Armament, four 16-cm., Q.F. Ten 10-cm., Q.F. Fourteen 47-mm. Nine 37-mm., Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

CHASSELOUP-LAUBAT, D.P.T., 4 to $2\frac{3}{4}$ in. (Steel). Twin Screw.

Length, 308 ft. 6 in. Breadth, 43 ft. 6 in. Draught, 20 ft. 10 in.
 Displacement, 3,722 tons. Indicated H.P., 9,000. Coal, 587 tons.
 Launched, 1893. Speed, $19\frac{1}{4}$ knots. Cost, £256,320 (about).
 Armament, six 16-cm., Q.F. Four 10-cm., Q.F. Eight 47-mm., Q.F. Twelve 37-mm., Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

D'ASSAS, D.P.T., $3\frac{1}{4}$ to $1\frac{1}{4}$ in. (Steel). Twin Screw.

Length, 325 ft. 6 in. Breadth, 44 ft. 11 in. Draught, 19 ft.
 Displacement, 3,992 tons. Indicated H.P., 9,600. Coal, 580 tons.
 Launched, building. Cost, £260,000 (about). Speed, $19\frac{1}{2}$ knots.
 Armament, six 16-cm., Q.F. Four 10-cm., Q.F. Twelve 47-mm. Sixteen 37-mm., rev.

DAVOUT, D.P.T., $2\frac{3}{8}$ in. (Steel). Twin Screw.

Length, 297 ft. 6 in. Breadth, 40 ft. Draught, 17 ft. 6 in.
 Displacement, 3,027 tons. Indicated H.P., 8,880. Coal, 600 tons.
 Launched, 1890. Cost, £250,000 (about). Speed, 20 knots.
 Armament, six 16-cm., Q.F. Four 10-cm., Q.F. Four 65-mm., Q.F. Four 47-mm., Q.F. Six
 Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

SECOND-CLASS CRUISERS—*continued.***DESCARTES**, D.P.T., $1\frac{3}{8}$ in. (Steel). Twin Screw.

Length, 315 ft. 6 in. Breadth, 42 ft. 4 in. Draught, 19 ft. 9 in.
 Displacement, 3,980 tons. Indicated H.P., 9,000. Coal, 800 tons.
 Launched, building. Cost, £258,800 (about). Speed 19 knots.
 Armament, four 16-cm., Q.F. Ten 10-cm., Q.F. Fourteen 47-mm., Q.F. Eight 37-mm. Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

DUBOURDIEU (Wood). One Screw.

Length, 253 ft. 7 in. Breadth, 46 ft. 6 in. Draught, 22 ft. 10 in.
 Displacement, 3,566 tons. Indicated H.P., 3,300. Coal, 600 tons.
 Launched, 1884. Cost, £154,553 (about). Speed, 14 knots.
 Armament, four 16-cm. 5 ton. Twelve 14-cm. Ten Machine.
 Torpedoes, one fixed tube or Launching Carriage.

DUCHAYLA, D.P.T., $3\frac{1}{4}$ and $1\frac{1}{4}$ in. (Steel and Copper Sheathed). Twin Screw.

Length, 325 ft. 6 in. Breadth, 44 ft. 11 in. Draught 19 ft.
 Displacement, 3,992 tons. Indicated H.P., 9,600. Coal, 800 tons.
 Launched, building. Cost, £272,000 (about). Speed, 19 knots.
 Armament, six 16-cm., Q.F. Four 10-cm., Q.F. Twelve 47-mm., Q.F. Sixteen 37-mm., rev.

DUQUAY TROUIN (Iron and Wood). One Screw.

Length, 296 ft. 3 in. Breadth, 43 ft. 4 in. Draught, 20 ft. 6 in.
 Displacement, 3,661 tons. Indicated H.P., 3,740. Coal, 700 tons.
 Launched, 1877. Cost, £150,000 (about). Speed, $15\frac{1}{2}$ knots.
 Armament, five 16-cm. Five 14-cm. 3 ton. Four 47-mm., Q.F. Five Machine
 Torpedoes, two fixed tubes or Launching Carriages.

DUQUESNE (Iron and Wood). One Screw.

Length, 333 ft. 5 in. Breadth, 50 ft. 3 in. Draught, 25 ft.
 Displacement, 5,824 tons. Indicated H.P., 6,589. Coal, 900 tons.
 Launched, 1876. Cost, £200,000 (about). Speed, $16\frac{1}{2}$ knots.
 Armament, seven 16-cm. Fourteen 14-cm. Eight Machine.

E (4) (5) (6). *Building.***FRIANT**, D.P.T., 4 and $2\frac{3}{4}$ in. (Steel). Twin Screw.

Length, 308 ft. 6 in. Breadth, 43 ft. 6 in. Draught, 20 ft. 10 in.
 Displacement, 3,722 tons. Indicated H.P., 9,000. Coal, 587 tons.
 Launched, 1893. Cost, £258,500 (about). Speed, $19\frac{1}{4}$ knots.
 Armament, six 16-cm., Q.F. Four 10-cm., Q.F. Eight 47-mm., Q.F. Twelve 37-mm. Machine.
 Torpedoes, six fixed tubes or Launching Carriages.

G (3). *Building.*

Displacement, 3,740. Speed, $19\frac{1}{4}$ knots.

SECOND-CLASS CRUISERS—*continued.***IPHIGENIE** (Wood), Training Ship. One Screw.

Length, 244 ft. 6 in. Breadth, 46 ft. 6 in. Draught, 22 ft. 4 in.
 Displacement, 3,346 tons. Indicated H.P., 2,800. Coal, 500 tons.
 Launched, 1881. Cost, £120,000 (about). Speed, 14½ knots.
 Armament, two 16-cm. 5 ton. Eighteen 14-cm. 3 ton. Ten Machine, three light.

ISLY, D.P.T., 3½ in. (Steel). Twin Screw.

Length, 346 ft. Breadth, 43 ft. 6 in. Draught, 19 ft. 6 in.
 Displacement, 4,160 tons. Indicated H.P., 8,100. Coal, 880 tons.
 Launched, 1891. Cost, £252,700 (about). Speed, 18 knots.
 Armament, four 16-cm., Q.F. Six 14-cm., Q.F. Six 47-mm., Q.F. Six Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

JEAN BART, D.P.T., 3½ in. (Steel). Twin Screw.

Length, 346 ft. Breadth, 43 ft. 6 in. Draught, 19 ft. 6 in.
 Displacement, 4,160 tons. Indicated H.P., 8,000. Coal, 500 tons.
 Launched, 1889. Cost, £283,240 (about). Speed, 19 knots.
 Armament, four 16-cm., Q.F. Six 14-cm., Q.F. Six 47-mm., Q.F. Six Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

NAIADE (Iron, Sheathed with Copper). One Screw.

Length, 246 ft. Breadth, 47 ft. 2 in. Draught, 22 ft. 10 in.
 Displacement, 3,525 tons. Indicated H.P., 3,260. Coal, 500 tons.
 Launched, 1881. Cost, £150,000 (about). Speed, 13½ knots.
 Armament, two 16-cm. 5 ton. Eighteen 14-cm. Ten Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

PASCAL, D.P.T. 1¾ in. (Steel). Twin Screw.

Length, 315 ft. 6 in. Breadth, 42 ft. 4 in. Draught, 19 ft. 9 in.
 Displacement, 3,988 tons. Indicated H.P., 9,000. Coal, 587 tons.
 Cost, £286,120 (about). Speed, 19¼ knots.
 Armament, four 16-cm., Q.F. Ten 10-cm., Q.F. Fourteen 47-mm., Q.F. Eight 37-mm. Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

SFAX, D.P.T. 1½ in. (Steel and Wood). Twin Screw.

Length, 288 ft. 9 in. Breadth, 49 ft. 3 in. Draught, 24 ft. 9 in.
 Displacement, 4,502 tons. Indicated H.P., 6,034. Coal, 1,000 tons.
 Launched, 1884. Cost, £200,000 (about). Speed, 16½ knots.
 Armament, six 16-cm. 5 ton. Ten 14-cm. 3 ton, three Q.F. Seven Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

SUCHET, D.P.T. 2¾ in. (Steel). Twin Screw.

Length, 318 ft. 3 in. Breadth, 43 ft. 6 in. Draught, 17 ft. 6 in.
 Displacement, 3,430 tons. Indicated H.P., 9,000. Coal, 480 tons.
 Launched, 1893. Cost, £226,360 (about). Speed, 20 knots.
 Armament, four 16-cm., Q.F. Four 10-cm., Q.F. Four 47-mm., Q.F. Eight 37-mm., Q.F.
 Six Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

SECOND-CLASS CRUISERS—*continued.***TOURVILLE** (Iron and Wood). One Screw.

Length, 333 ft. 5 in. Breadth, 50 ft. 3 in. Draught, 25 ft. 4 in.
 Displacement, 5,743 tons. Indicated H.P., 7,466. Coal, 800 tons.
 Launched, 1876. Cost, £205,000 (about). Speed, 16 $\frac{3}{4}$ knots.
 Armament, seven 16-cm. 5 ton. Fourteen 14-cm. 3 ton. Eight Machine.

THIRD-CLASS CRUISERS.**BEAUTEMPS-BEAUPRÉ** (Wood). One Screw.

Length, 204 ft. 8 in. Breadth, 34 ft. 2 in. Draught, 15 ft. 10 in.
 Displacement, 1,246 tons. Indicated H.P., 985. Coal, 250 tons.
 Launched, 1872. Speed, 12 $\frac{1}{2}$ knots.
 Armament, six 14-cm. 3 ton. Eight Machine.

COETLOGON, D.P.T., 1 $\frac{1}{2}$ in. (Steel). Twin Screw.

Length, 312 ft. Breadth, 30 ft. 5 in. Draught, 14 ft.
 Displacement, 1,848 tons. Indicated H.P., 5,800. Coal, 300 tons.
 Launched, 1889. Cost, £134,000 (about). Speed, 19 $\frac{1}{4}$ knots.
 Armament, four 14-cm., Q.F. Three 10-cm., Q.F. Four Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

COSMAO, D.P.T., 1 $\frac{1}{2}$ in. (Steel). Twin Screw.

Length, 312 ft. Breadth, 30 ft. 5 in. Draught, 14 ft.
 Displacement, 1,877 tons. Indicated H.P., 6,000. Coal, 200 tons.
 Launched, 1888. Cost, £133,000 (about). Speed, 20 $\frac{1}{2}$ knots.
 Armament, four 14-cm., Q.F. Three 10-cm., Q.F. Four Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

DESAIX (Wood). One Screw.

Length, 259 ft. 2 in. Breadth, 34 ft. 8 in. Draught, 17 ft. 7 in.
 Displacement, 1,700 tons. Indicated H.P., 1,442. Coal, 300 tons.
 Launched, 1866. Speed, 14 knots.
 Armament, four 10-cm. One 65-mm. Four Machine.

D'ESTAING (Wood and Iron). One Screw.

Length, 262 ft. 5 in. Breadth, 37 ft. 5 in. Draught, 18 ft. 8 in.
 Displacement, 2,236 tons. Indicated H.P., 3,700. Coal, 300 tons.
 Launched, 1879. Speed, 15 $\frac{1}{4}$ knots.
 Armament, fifteen 14-cm. 3 ton. Eight Machine.

THIRD-CLASS CRUISERS—*continued.***DUCHAFFAULT** (Wood). One Screw.

Length, 204 ft. 8 in. Breadth, 34 ft. 2 in. Draught, 16 ft.
 Displacement, 1,289 tons. Indicated H.P., 1,214. Coal, 250 tons.
 Launched, 1872. Speed, 12½ knots.
 Armament, six 14-cm. 3 ton. Six Machine.

DUPETIT THOUARS (Wood). One Screw.

Length, 257 ft. 10 in. Breadth, 35 ft. 9 in. Draught, 16 ft.
 Displacement, 1,931 tons. Indicated H.P., 2,018. Coal, 300 tons.
 Launched, 1874. Speed, 15 knots.
 Armament, ten 14-cm. 3 ton. Eight Machine.

ÉCLAIREUR (Iron and Wood). One Screw.

Length, 236 ft. 3 in. Breadth, 35 ft. 5 in. Draught, 17 ft.
 Displacement, 1,658 tons. Indicated H.P., 2,050. Coal, 200 tons.
 Launched, 1877. Speed, 15 knots.
 Armament, eight 14-cm. 3 ton. Six Machine.

FABERT (Wood). One Screw.

Length, 294 ft. 4 in. Breadth, 36 ft. Draught, 18 ft. 4 in.
 Displacement, 1,927 tons. Indicated H.P., 1,107. Coal, 300 tons.
 Launched, 1874. Speed, 12½ knots.
 Armament, eight 14-cm. 3 ton. Four Machine.

FLEURUS (Steel). Twin Screw.

Length, 223 ft. 2 in. Breadth, 29 ft. 3 in. Draught, 14 ft.
 Displacement, 1,310 tons. Indicated H.P., 4,000. Coal, 116 tons.
 Launched, 1893. Cost, £116,300 (about). Speed, 18 knots.
 Armament, five 10-cm. Q.F. Two 65-mm., Q.F.
 Torpedoes, four fixed tubes or Launching Carriages.

FORBIN, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 312 ft. Breadth, 30 ft. 5 in. Draught, 16 ft.
 Displacement, 1,848 tons. Indicated H.P., 6,000. Coal, 200 tons.
 Launched, 1888. Speed, 20½ knots.
 Armament, fourteen 14-cm., Q.F. Three 10-cm., Q.F. Four Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

FORFAIT (Wood and Iron). One Screw.

Length, 249 ft. 4 in. Breadth, 38 ft. Draught, 18 ft.
 Displacement, 2,321 tons. Indicated H.P., 2,764. Coal, 400 tons.
 Launched, 1879. Speed, 13¼ knots.
 Armament, fifteen 14-cm. 3 ton. Eight Machine.

THIRD-CLASS CRUISERS—*continued.***GALILÉE**, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 321 ft. 6 in. Breadth, 35 ft. 1 in. Draught, 14 ft. 7 in.
 Displacement, 2,317 tons. Indicated H.P., 6,500. Coal, 500 tons.
 Cost, £171,520 (about). Speed, 20 knots.
 Armament, four 14-cm., Q.F. Two 10-cm., Q.F. Eight 47-mm., Q.F. Four 37-mm., Q.F. Four
 Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

HIRONDELLE (Wood). Twin Screw.

Length, 249 ft. 6 in. Breadth, 30 ft. 4 in. Draught, 12 ft. 8 in.
 Displacement, 1,200 tons. Indicated H.P., 1,780. Coal, 150 tons.
 Launched, 1869. Speed, 15½ knots.
 Armament, two 10-cm. Eight Machine.

HUGON (Wood). One Screw.

Length, 204 ft. 5 in. Breadth, 34 ft. 2 in. Draught, 15 ft. 10 in.
 Displacement, 1,236 tons. Indicated H.P., 1,054. Coal, 250 tons.
 Launched, 1872. Speed, 11¾ knots.
 Armament, six 14-cm. 3 ton. Five Machine.

KERGUELEN (Wood). One Screw.

Length, 204 ft. 5 in. Breadth, 34 ft. 2 in. Draught, 15 ft. 10 in.
 Displacement, 1,235 tons. Indicated H.P., 1,200. Coal, 230 tons.
 Launched, 1872. Speed, 12¾ knots.
 Armament, six 14-cm. 3 ton. Five Machine.

LACLOCHETERIE (Wood). One Screw.

Length, 262 ft. 2 in. Breadth, 35 ft. 9 in. Draught, 18 ft. 4 in.
 Displacement, 1,943 tons. Indicated H.P., 1,918. Coal, 350 tons.
 Launched, 1872. Speed, 13½ knots.
 Armament, ten 14-cm. 3 ton. One 65-mm. Six Machine.

LALANDE, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 311 ft. 6 in. Breadth, 31 ft. 2 in. Draught, 14 ft.
 Displacement, 1,877 tons. Indicated H.P., 6,000. Coal, 200 tons.
 Launched, 1888. Cost, £133,800 (about). Speed, 21 knots.
 Armament, four 14-cm., Q.F. Three 10-cm., Q.F. Four Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

LAPÉROUSE (Wood and Iron). One Screw.

Length, 262 ft. 5 in. Breadth, 37 ft. 5 in. Draught, 18 ft. 8 in.
 Displacement, 2,319 tons. Indicated H.P., 2,280. Coal, 300 tons.
 Launched, 1877. Speed, 14½ knots.
 Armament, fifteen 14-cm. 3 ton. Eight Machine.

THIRD-CLASS CRUISERS—*continued.***LAVOISIER**, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 321 ft. 6 in. Breadth, 34 ft. 6 in. Draught, 17 ft. 5 in.
 Displacement, 2,300 tons. Indicated H.P., 6,600. Coal, 200 tons.
 Launched, building. Speed, 20 knots. Cost, £165,000 (about).
 Armament, four 14-cm., Q.F. Two 10-cm., Q.F. Eight 47-mm., Q.F. Eight 37-mm., Q.F.
 Four Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

LINOIS, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 321 ft. 6 in. Breadth, 34 ft. 6 in. Draught, 17 ft. 5 in.
 Displacement, 2,270 tons. Indicated H.P., 6,600. Coal, 190 tons.
 Launched, 1894. Cost, £163,014 (about). Speed, 19½ knots.
 Armament, four 14-cm., Q.F. Three 10-cm., Q.F. Eight 47-mm., Q.F. Four 37-mm., Q.F.
 Four Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

MAGON (Wood and Iron). One Screw.

Length, 249 ft. 4 in. Breadth, 38 ft. Draught, 18 ft.
 Displacement, 2,294 tons. Indicated H.P., 2,462. Coal, 350 tons.
 Launched, 1881. Speed, 14 knots.
 Armament, fifteen 14-cm. 3 ton. Eight Machine.

MILAN (Steel). Twin Screw.

Length, 303 ft. 2 in. Breadth, 32 ft. 10 in. Draught, 14 ft 7 in.
 Displacement, 1,550 tons. Indicated H.P., 4,132. Coal, 400 tons.
 Launched, 1886. Speed, 18 knots.
 Armament, five 10-cm., Q.F. Eight Machine.
 Torpedoes, two fixed tubes or Launching Carriages.

NIELLY (Wood and Iron). One Screw.

Length, 262 ft. 5 in. Breadth, 37 ft. 5 in. Draught, 18 ft. 8 in.
 Displacement, 2,257 tons. Indicated H.P., 2,921. Coal, 300 tons.
 Launched, 1880. Speed, 15 knots.
 Armament, fifteen 14-cm. 3 ton. Eight Machine.

PRIMAUGUET (Wood and Iron). One Screw.

Length, 262 ft. 5 in. Breadth, 37 ft. 5 in. Draught, 18 ft 8 in.
 Displacement, 2,270 tons. Indicated H.P., 2,268. Coal, 300 tons.
 Launched, 1882. Speed, 14½ knots.
 Armament, fifteen 14-cm. 3 ton. Eight Machine.

RIGAULT DE GENOUILLY (Wood and Iron, top side). One Screw.

Length, 236 ft. 3 in. Breadth, 35 ft. 5 in. Draught, 17 ft.
 Displacement, 1,713 tons. Indicated H.P., 2,050. Coal, 200 tons.
 Launched, 1876. Speed, 14½ knots.
 Armament, eight 14-cm. 3 ton. Eight Machine.

THIRD-CLASS CRUISERS—*continued.***ROLAND** (Wood and Iron, top sides). One Screw.

Length, 249 ft. 4 in. Breadth, 38 ft. Draught, 17 ft. 7 in.
 Displacement, 2,819 tons. Indicated H.P., 2,700. Coal, 350 tons.
 Launched, 1882. Speed, 14½ knots.
 Armament, fifteen 14-cm. 3 ton. Eight Machine.

SEGOND (Wood). One Screw.

Length, 204 ft. 8 in. Breadth, 34 ft. 2 in. Draught, 15 ft. 10 in.
 Displacement, 1,264 tons. Indicated H.P., 894. Coal, 250 tons.
 Launched, 1869. Speed, 11 knots.
 Armament, six 14-cm. 3 ton. Four Machine.

SURCOUF, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 312 ft. Breadth, 30 ft. 5 in. Draught, 14 ft.
 Displacement, 1,848 tons. Indicated H.P., 6,000. Coal, 200 tons.
 Launched, 1888. Cost, £131,200 (about). Speed, 20 knots.
 Armament, four 14-cm., Q.F. Three 10-cm., Q.F. Four Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

TROUDE, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 311 ft. 6 in. Breadth, 31 ft. 2 in. Draught, 14 ft.
 Displacement, 1,877 tons. Indicated H.P., 6,600. Coal, 200 tons.
 Launched, 1888. Speed, 20½ knots.
 Armament, four 14-cm., Q.F. Three 10-cm., Q.F. Four Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

VAUTOUR, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 216 ft. 6 in. Breadth, 29 ft. 3 in. Draught, 15 ft. 5 in.
 Displacement, 1,280 tons. Indicated H.P., 3,200. Coal, 150 tons.
 Launched, 1886. Cost, £80,000 (about). Speed, 17 knots.
 Armament, five 10-cm., Q.F. One 65-mm., Q.F. Six Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

VILLARS (Wood and Iron). One Screw.

Length, 249 ft. 4 in. Breadth, 38 ft. Draught, 17 ft. 7 in.
 Displacement, 2,419 tons. Indicated H.P., 2,380. Coal, 350 tons.
 Launched, 1879. Speed, 14 knots.
 Armament, fifteen 14-cm. 3 ton. Eight Machine.

WATTIGNIES (Steel). Twin Screw.

Length, 230 ft. Breadth, 29 ft. 3 in. Draught, 15 ft.
 Displacement, 1,310 tons. Indicated H.P., 4,189. Coal, 160 tons.
 Launched, 1891. Cost, £111,000 (about). Speed, 18 knots.
 Armament, five 10-cm., Q.F. Two 65-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, four fixed tubes or Launching Carriages.

GUN-VESSEL CLASS.**ASPIC** (Composite). One Screw.

Length, 145 ft. 4 in. Breadth, 23 ft. 10 in. Draught, 10 ft. 6 in.
Displacement, 480 tons. Indicated H.P., 453. Coal, 50 tons.
Launched, 1830. Speed, 10½ knots
Armament, two 14-cm. 3 ton. Two 10-cm.

CAPRICORNE (Wood). One Screw.

Length, 148 ft. 4 in. Breadth, 23 ft. 10 in. Draught, 10 ft. 5 in.
Displacement, 480 tons. Indicated H.P., 443. Coal, 70 tons.
Launched, 1882. Speed, 11 knots.
Armament, two 14-cm. 3 ton. Two 10-cm.

COMÈTE (Composite). One Screw.

Length, 151 ft. 6 in. Breadth, 24 ft. 9 in. Draught, 10 ft. 6 in.
Displacement, 473 tons. Indicated H.P., 450. Coal, 60 tons.
Launched, 1884. Speed, 12 knots.
Armament, two 14-cm. Two 10-cm. Two Machine.

CROCODILE (Composite). One Screw.

Length, 141 ft. 10 in. Breadth, 24 ft. Draught, 9 ft. 5 in.
Displacement, 466 tons. Indicated H.P., 441. Coal, 60 tons.
Launched, 1874. Speed, 9½ knots.
Armament, one 14-cm. Two 90 mm.

DUMONT D'URVILLE (Wood). One Screw.

Length, 201 ft. 11 in. Breadth, 28 ft. 6 in. Draught, 13 ft. 8 in.
Displacement, 825 tons. Indicated H.P., 850. Coal, 200 tons.
Launched, 1878. Speed, 11½ knots.
Armament, four 14-cm. 3 ton. One 10-cm. One 65-mm. Two Machine.

ETOILE (Composite). Twin Screw.

Length, 149 ft. 3 in. Breadth, 24 ft. 7 in. Draught, 8 ft. 4 in.
Displacement, 502 tons. Indicated H.P., 450. Coal, 60 tons.
Launched, 1885. Speed, 10 knots.
Armament, six 10-cm. One 65-mm. Two Machine.

FULTON (Wood). One Screw.

Length, 199 ft. 5 in. Breadth, 28 ft. 5 in. Draught, 12 ft. 8 in.
Displacement, 811 tons. Indicated H.P., 850. Coal, 160 tons.
Launched, 1887. Cost, £37,000 (about). Speed, 13 knots.
Armament, two 14-cm. 3 ton. One 10-cm. Five Machine.

GUN-VESSEL CLASS—*continued.***GABES** (Composite). One Screw.

Length, 151 ft. 6 in. Breadth, 24 ft. 9 in. Draught, 10 ft. 6 in.
Displacement, 490 tons. Indicated H.P., 450. Coal, 60 tons.
Launched, 1884. Speed, 11 knots.
Armament, two 14-cm. Two 10-cm. Two Machine.

HUSSARD (Wood). One Screw.

Length, 201 ft. 10 in. Breadth, 28 ft. 6 in. Draught, 13 ft. 7 in.
Displacement, 825 tons. Indicated H.P., 850. Coal, 200 tons.
Launched, 1877. Speed, 12 knots.
Armament, four 14-cm. Two Machine.

LION (Composite). One Screw.

Length, 151 ft. 6 in. Breadth, 24 ft. 9 in. Draught, 10 ft. 6 in.
Displacement, 473 tons. Indicated H.P., 576. Coal, 70 tons.
Launched, 1884. Speed, $11\frac{3}{4}$ knots.
Armament, two 14-cm. 3 ton. Four Machine.

LUTIN (Composite). One Screw.

Length, 141 ft. 9 in. Breadth, 23 ft. 11 in. Draught, 9 ft. 4 in.
Displacement, 474 tons. Indicated H.P., 373. Coal, 60 tons.
Launched, 1877. Speed, 10 knots.
Armament, two 14-cm. Two 10-cm.

LYNX (Composite). One Screw.

Length, 141 ft. 9 in. Breadth, 23 ft. 11 in. Draught, 9 ft. 4 in.
Displacement, 474 tons. Indicated H.P., 427. Coal, 60 tons.
Launched, 1878. Speed, $10\frac{1}{4}$ knots.
Armament, two 14-cm. Two 10-cm.

MÉTÉORE (Composite). One Screw.

Length, 151 ft. 6 in. Breadth, 24 ft. 9 in. Draught, 10 ft. 6 in.
Displacement, 473 tons. Indicated H.P., 450. Coal, 70 tons.
Launched, 1884. Speed, 10 knots.
Armament, two 14-cm. Three Machine.

PAPIN (Wood and Iron). One Screw.

Length, 199 ft. 6 in. Breadth, 28 ft. 6 in. Draught, 13 ft. 7 in.
Displacement, 811 tons. Indicated H.P., 850. Coal, 160 tons.
Launched, 1886. Cost, £37,000 (about). Speed, 13 knots.
Armament, two 14-cm. One 10 cm. Five Machine.

PARSEVAL (Wood and Iron). One Screw.

Length, 197 ft. 6 in. Breadth, 28 ft. Draught, 12 ft. 2 in.
Displacement, 860 tons. Indicated H.P., 817. Coal, 150 tons.
Launched, 1879. Cost, £35,500 (about). Speed, $12\frac{1}{4}$ knots.
Armament, four 14-cm. Four Machine.

GUN-VESSEL CLASS—*continued.***SAGITTAIRE** (Wood and Iron). One Screw.

Length, 148 ft. 4 in. Breadth, 23 ft. 10 in. Draught, 10 ft. 5 in.
 Displacement, 450 tons. Indicated H.P., 427. Coal, 70 tons.
 Launched, 1881. Speed, 11 knots.
 Armament, two 14-cm. Two 10-cm.

SCORPION (Composite). One Screw.

Length, 151 ft. 6 in. Breadth, 24 ft. 9 in. Draught, 10 ft. 6 in.
 Displacement, 473 tons. Indicated H.P., 450. Coal, 70 tons.
 Launched, 1883. Speed, 11 knots.
 Armament, two 14-cm. 3 ton. Three Machine.

SURPRISE (Steel and Copper Sheathed). Twin Screw.

Length, 183 ft. 9 in. Breadth, 24 ft. 7 in. Draught, 12 ft. 3 in.
 Displacement, 626 tons. Indicated H.P., 650. Coal, 75 tons.
 Cost, £44,000 (about). Speed, 13 knots.
 Armament, two 10-cm., Q.F. Four 65-mm., Q.F. Four 47-mm., Q.F.

VIPÈRE (Composite). One Screw.

Length, 145 ft. 4 in. Breadth, 23 ft. 10 in. Draught, 10 ft. 6 in.
 Displacement, 463 tons. Indicated H.P., 427. Coal, 60 tons.
 Launched, 1881. Speed, 10¼ knots.
 Armament, two 14-cm. Two 10-cm.

VOLTIGEUR (Wood and Iron). One Screw.

Length, 199 ft. 5 in. Breadth, 28 ft. 5 in. Draught, 12 ft. 7 in.
 Displacement, 851 tons. Indicated H.P., 850. Coal, 150 tons.
 Launched, 1878. Speed, 12¼ knots.
 Armament, four 14-cm. Four Machine.

W (1), *Building.***TORPEDO GUNBOATS.****BOMBE** (Steel). Twin Screw.

Length, 196 ft. 10 in. Breadth, 21 ft. 7 in. Draught, 5 ft. 11 in.
 Displacement, 395 tons. Indicated H.P., 1,800. Coal, 100 tons.
 Launched, 1885. Speed, 18 knots.
 Armament, four 47-mm., Q.F. Three Machine.
 Torpedoes, two fixed tubes or Launching Carriages.

CASABIANCA (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 27 ft. 4 in. Draught, 10 ft. 3 in.
 Displacement, 945 tons. Indicated H.P., 5,000. Coal, 110 tons.
 Cost, £98,000 (about). Speed, 21 knots.
 Armament, one 10-cm., Q.F. Three 65-mm., Q.F. Five 47-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, three fixed tubes or Launching Carriages.

TORPEDO GUNBOATS—*continued.***CASSINI** (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 27 ft. 4 in. Draught, 11 ft. 6 in.
 Displacement, 945 tons. Indicated H.P., 5,000. Coal, 110 tons.
 Cost, £98,500 (about). Speed, 21 knots.
 Armament, one 10-cm., Q.F. Three 65-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, six fixed tubes or Launching Carriages.

COULEUVRINE, same as *Bombe*.**DAGUE**, same as *Bombe*.**D'IBERVILLE** (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 27 ft. Draught, 11 ft. 2 in.
 Displacement, 925 tons. Indicated H.P., 5,000. Coal, 117 tons.
 Launched, 1893. Cost, £99,120 (about). Speed, 21 knots.
 Armament, one 10-cm. One 65-mm. Four 37-mm., Q.F.
 Torpedoes, six fixed tubes or Launching Carriages.

DRAGONNE, same as *Bombe*.**FLÈCHE**, same as *Bombe*.**LANCE**, same as *Bombe*.**LÉGER** (Steel). Twin Screw.

Length, 197 ft. Breadth, 23 ft. Draught, 10 ft. 6 in.
 Displacement, 450 tons. Indicated H.P., 2,345. Coal, 130 tons.
 Launched, 1891. Cost £52,000 (about). Speed, 18 $\frac{3}{4}$ knots.
 Armament, one 10-cm., Q.F. Three 65-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, four fixed tubes or Launching Carriages.

LÉVRIER, same as *Léger*.**SAINTE BARBE**, same as *Bombe*.**SALVE**, same as *Bombe*.

Launched, 1886.

DESPATCH VESSEL CLASS.
BISSON (Wood). One Screw.

Length, 199 ft. 5 in. Breadth, 28 ft. 5 in. Draught, 12 ft. 8 in.
 Displacement, 827 tons. Indicated H.P., 849. Coal, 200 tons.
 Launched, 1874. Speed, 11 $\frac{3}{4}$ knots.
 Armament, three 14-cm. 3 ton. One 10-cm. Five Machine.

DESPATCH VESSEL CLASS—*continued.***CHASSEUR** (Wood and Iron). One Screw.

Length, 199 ft. 5 in. Breadth, 28 ft. 5 in. Draught, 12 ft. 7 in.
 Displacement, 830 tons. Indicated H.P., 850. Coal, 170 tons.
 Launched, 1878. Speed, 11 knots.
 Armament, four 14-cm. One 65-mm. Four Machine.

INCONSTANT (Wood). One Screw.

Length, 199 ft. 5 in. Breadth, 28 ft. 5 in. Draught, 12 ft. 7 in.
 Displacement, 811 tons. Indicated H.P., 850. Coal, 160 tons.
 Launched, 1886. Cost, £37,000 (about). Speed, 13 knots.
 Armament, two 14-cm. One 10-cm. Five Machine.

TORPEDO CRUISER CLASS.
CONDOR, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 216 ft. 6 in. Breadth, 29 ft. 3 in. Draught, 15 ft. 5 in.
 Displacement, 1,240 tons. Indicated H.P., 3,800. Coal, 160 tons.
 Launched, 1885. Cost, £80,000 (about). Speed, 17½ knots.
 Armament, five 10-cm., Q.F. One 65-mm., Q.F. Six Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

EPERVIER, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 216 ft. 6 in. Breadth, 29 ft. 3 in. Draught, 15 ft. 5 in.
 Displacement, 1,240 tons. Indicated H.P., 3,200. Coal, 160 tons.
 Launched, 1885. Cost, £80,000 (about). Speed, 17½ knots.
 Armament, five 10-cm., Q.F. One 65-mm., Q.F. Six Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

FAUCON, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 216 ft. 6 in. Breadth, 29 ft. 3 in. Draught, 15 ft. 5 in.
 Displacement, 1,240 tons. Indicated H.P., 3,200. Coal, 160 tons.
 Launched, 1885. Cost, £80,000 (about). Speed 17 knots.
 Armament, five 10-cm., Q.F. One 65-mm., Q.F. Six Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

TORPEDO DÉPÔT SHIP.
FOUDRE, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 370 ft. 6 in. Breadth, 51 ft. 3 in. Draught, 20 ft. 3 in.
 Displacement, 5,970 tons. Indicated H.P., 11,400. Coal, 845 tons.
 Building. Cost, £399,000 (about). Speed, 19 knots.
 Armament, eight 10-cm., Q.F. Four 6½-cm., Q.F. Four 47-mm. Q.F.
 Torpedoes, five fixed tubes.

FRENCH TORPEDO BOATS.

SEA-GOING.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
	Agile	103	1,100	139·0	14·7	7·7	20·4	26	2	1889	14	La Seyne.
	Alarme	148	1,400	151·0	15·7	8·3	20·5	30	4	1888	40	St. Nazaire.
	Aquilon	118	2,000	138·0	14·7	8·2	22·0	26	2	...	17	Normand.
	Archer	120	1,150	138·0	14·7	6·5	21·0	26	2	1893	17	„
	Argonaute	117	1,500	141·0	16·4	9·3	23·5	26	2	1893	20	St. Denis.
	Ariel	117	1,500	141·0	16·4	9·3	23·5	26	2	1893	20	Normand.
	Audacieux	103	1,100	139·0	14·7	7·7	20·3	26	2	1889	14	La Seyne.
	Aventurier	148	1,400	151·0	15·7	8·3	20·5	30	4	1888	40	St. Nazaire.
	Averne	117	1,500	141·0	16·4	9·3	23·5	26	2	1893	20	Havre.
	Cerbère	118	1,400	138·0	14·7	8·2	21·5	26	2	...	20	...
	Chevalier	123	2,700	144·3	15·7	6·8	27·2	27	2	1893	16	Normand.
	Corsaire	150	2,500	160·5	15·0	5·4	25·5	30	4	1892	15	St. Denis.
	Coureur	120	1,550	147·5	14·5	4·6	21·5	27	2	1888	22	Chiswick.
	Dauphin	117	1,500	141·0	16·4	9·3	23·5	26	2	1894	20	Havre.
	Def	148	1,400	151·0	15·7	8·3	21·0	30	2	1888	40	St. Nazaire.
	Dragon	118	1,400	138·0	14·7	8·2	25·0	26	2	1892	15	Normand.
	Eclair	106	1,100	144·3	14·7	7·7	21·5	26	2	1891	17	La Seyne.
	Filibustier	117	1,500	143·0	16·4	9·3	23·5	26	2	1893	20	Normand.
	Forban	130	3,200	144·2	15·	10·0	30·0	27	2	1895	16	„
	N.	130	3,200	144·2	15·2	10·0	30·0	27	2	...	16	„
	Grenadier	118	1,400	138·0	14·7	8·2	25·2	26	2	1892	15	„
	Grondeur	114	1,550	147·5	14·5	5·0	24·0	27	2	1892	20	Havre.
	Kabyle	106	1,100	144·3	14·7	7·7	21·6	26	2	1891	17	La Seyne.
	Lancier	118	1,400	138·0	14·7	8·2	25·8	23	2	1893	15	Normand.
	Lansquenet... ..	138	2,800	165·4	15·8	4·2	26·0	30	4	1893	20	Nantes.
	Mousquetaire	125	2,100	154·0	15·7	7·0	24·7	30	4	1893	18	Havre.
	Orage	106	1,100	144·3	14·7	7·7	21·7	26	2	1891	17	La Seyne.
	Ouragon	148	1,400	151·0	15·7	8·3	20·0	30	4	1887	40	Nantes.
	Sarrazin	103	1,100	139·0	14·7	7·7	20·5	26	2	1893	14	Bordeaux.
	Temeraire	148	1,400	151·0	15·7	8·3	21·0	30	4	1888	40	St. Nazaire.

FRENCH TORPEDO BOATS.

SEA-GOING—*continued.*

Baats.	NAMES OR Nos.	Displacement.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
	Tenare	118	1,400	138-0	14-7	8-2	21-5	26	2	...	16	...
	Tourbillon	103	1,100	139-0	14-7	7-7	20-5	26	2	1892	15	Bordeaux.
	Tourmente	117	1,500	141-0	16-4	9-3	23-5	27	2	1893	20	St. Denis.
	Turco	118	1,400	138-0	14-7	8-2	21-3	26	2	1892	15	„
	Velocc	114	1,550	147-5	14-5	5-0	23-6	27	2	1891	20	Havre.
	Zouave	118	1,400	138-0	14-7	8-2	21-3	26	2	1892	15	St. Denis.

FIRST-CLASS.

1	Balny	67	700	134-5	11-0	7-2	20-0	21	2	1886	20	Normand.
1	Bonêt Villannez ...	67	700	134-5	11-3	7-2	20-0	21	2	1888	20	St. Denis.
1	Capt. Cuny... ..	67	700	134-5	11-0	7-2	20-0	21	2	1886	20	...
1	Capt. Mehl	67	700	134-5	11-0	7-2	20-0	21	2	1886	20	...
1	Challier	67	700	134-5	11-0	7-2	20-0	21	2	1886	20	...
1	Dehorter	67	700	134-5	11-0	7-2	20-0	21	2	1886	20	St. Denis.
1	Deroulède	67	700	134-5	11-0	7-2	20-0	21	2	1886	20	Normand.
1	Doudart de Lagrée	67	700	134-5	11-0	7-2	20-0	21	2	1886	20	„
1	Edmond Fontaine...	67	700	134-5	11-0	7-2	20-0	21	2	1888	20	St. Denis.
1	151	74	560	132-5	12-5	6-6	18-8	23	2	1886	15	La Seyne.
4	126 to 129	78	1,250	118-0	13-2	8-7	21-0	21	2	1888-89	10	Normand.
5	145 to 149	75	1,300	118-0	13-2	8-7	24-0	21	2	1891-93	10	„
3	152 to 154	75	1,300	118-0	13-2	8-7	24-6	21	2	1892	10	„
3	155 to 157	79	1,300	118-0	13-2	8-7	23-0	21	2	1893	10	Bordeaux.
3	158 to 160	79	1,300	118-0	13-2	8-7	23-0	21	2	1893	10	Cail.
3	161 to 163	79	1,300	118-0	13-2	8-7	23-0	21	2	1892	10	St. Nazaire.
3	164 to 166	79	1,300	118-0	13-2	8-7	23-0	21	2	1892	10	La Seyne.
3	167 to 169	79	1,300	118-0	13-2	8-7	23-0	21	2	1892	10	Creusot.
2	170 to 171	79	1,300	118-0	13-2	8-7	23-0	21	2	1893	10	Normand.
5	172 to 176	79-5	1,400	118-0	13-2	8-7	23-0	21	2	1893	10	Creusot.
2	177 to 179	79-5	1,300	118-0	13-2	8-7	23-0	21	3	1893	10	Havre.
2	180 to 181	79-5	1,300	118-0	13-2	8-7	23-0	21	2	1893	10	Creusot.
10	182 to 191	79-5	1,350	118-0	13-2	8-7	23-0	21	2	1893-94	10	...
9	192 to 200	79-5	1,300	118-0	13-2	8-7	23-0	21	2	1895	10	...
5	P 20. P 24.	80	1,350	120-0	13-2	8-8	23-5	21	2	1895	10	...

FRENCH TORPEDO BOATS.

SECOND-CLASS.

Boats.	NAMES OR NOS.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	26	45	400	108.0	11.0	5.6	19.0	16	2	1878	10	Cail, &c., La Seyne, &c., Normand, &c.
1	27	44	400	104.4	10.6	6.1	19.0	16	2	1878	10	
1	28	44	400	111.5	11.0	5.6	19.0	16	2	1878	10	
5	60 to 64	45	400	108.2	10.3	6.1	19.0	16	2	1878-85	10	
3	65, 66, 68	49	500	108.2	10.7	6.4	20.0	16	2	1878-85	10	
6	69 to 74	50	500	108.2	10.7	6.5	20.0	16	2	1878-85	10	
35	75 to 109	56	525	114.7	10.6	6.0	20.0	16	2	1885-92	10	
12	111 to 125	56	525	114.7	10.6	6.0	20.0	16	2	1885-90	10	
15	130 to 144	52.8	520	111.5	11.4	6.0	21.0	16	2	1889-90	10	
1	150	54	520	114.7	10.6	7.0	20.0	16	2	...	10	
4	Q 1 to Q 4.	53	700	114.6	10.7	7.0	20.5	16	2	...	10	

THIRD-CLASS.

12	8 to 19	27	200 to 450.	86.0	10.2	5.0	16 to 19.	10	...	1877 to 1882.	5	Various Firms in France and England.
1	20	33		87.0	10.8	5.0		10	...		5	
2	22, 23	30		87.6	10.4	5.2		10	...		5	
2	24, 25	30		88.5	10.4	6.0		10	...		5	
2	31, 32	27		85.5	10.4	3.8		10	...		5	
4	33 to 36	32		89.0	10.4	6.0		10	...		5	
4	37 to 40	32		87.0	10.8	5.0		10	...		5	
2	41, 42	33		87.0	10.8	6.0		10	...		5	
2	43, 44	32		89.0	10.4	5.7		10	...		5	
1	47	33		87.0	10.8	5.0		10	...		5	
1	48	32		89.0	10.4	5.8		10	...		5	
3	49, 50, 53	32		87.0	10.8	5.0		10	...		5	
2	54, 55	32	91.0	10.0	6.1	10	...	5				

FRENCH TORPEDO BOATS.

VELETTE BOATS.

Boats.	NAMES OR NOS.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed	Compt.	Tubes.	Launched.	Coal.	Where Built.
9	Boats	14	210·0	62·3	...	...	16·3	8	...	1893-94	3	...
2	29, 30	18	300·0	67·0	8·5	3·5	18·0	8	...	1876	3	Chiswick.
2	56, 57	12	50·0	59·0	7·5	3·5	16·0	8	...	1879	3	„
2	58, 59	11	50·0	63·0	7·5	3·5	17·0	8	...	1881	3	„

SUBMARINE.

Goubet	6·0	...	...	...	...	...	...	...	...	...	...	...
Gustave Zédé ...	266·0	720·0	...	...	...	...	...	...	...	...	...	Toulon.
Gymnolé	29·5	60·0	...	...	...	...	...	...	...	...	...	Mourillon.
Morse	146·0	...	...	...	...	...	...	...	...	...	...	Cherbourg.

SHIPS BUILDING.

Two New French Cruisers, styled Commerce Destroyers.

GUICHEN and CHÂTEAURONAUT (Steel). Three Screws.

Length, 442 ft. Breadth, 53 ft. 8 in. Draught, 27 ft.

Displacement, 8,700 tons. Indicated H.P., 24,000. Speed, 23 knots.

Armour, Deck, 2 in. A splinter-proof Deck below. Four Batteries, each with a revolving shield in an armoured compartment from which it will be handled, and one on each side in a Sponson, and others of 1·85 in.

Armament, six 2-in., Q.F., disposed fore and aft. Six 5·5-in., of which four will be in the Batteries.

Steam will be generated by 36 groups of multitubular boilers in six compartments fore and aft of the Engines.

The Coal power will be 7,500 miles at 12 knots.

*GAULOIS, 10,800 Tons.

*JURIEN DE LA GRAVIÈRE.

* Information not yet obtainable.

RUSSIAN NAVY.

ARMOURED SHIPS.

BARBETTE CLASS.

ALEXANDER II. (Steel, Copper Sheathed). Twin Screw).

Length, 326 ft. Breadth, 67 ft. Draught, about 23 ft.
 Displacement, 8,440 tons. Indicated H.P., 8,000. Coal, 800 tons.
 Launched, 1887. Cost, £450,000 (about). Speed, 16·5 knots.
 Armour, belt, 14 in. compound. Barbette, 10 in. compound. Battery, 4 in. Deck Plating, 2½ in.
 Armament, two 12-in. 50-ton. Four 9-in. 19-ton. Eight 6-in. Four 6-pounders, Q.F. Four
 3-pounders, Q.F. Six Machine.
 Torpedoes, five fixed tubes.

CATHERINE II. B.S. (Iron, Copper Sheathed). Twin Screw.

Length, 331 ft. Breadth, 69 ft. Draught, 26 ft. 2 in.
 Displacement, 10,180 tons. Indicated H.P., 11,000. Coal, 886 tons.
 Launched, 1886. Cost, £900,000 (about). Speed, 15½ knots.
 Armour, belt, 16 in. compound. Barbette, 14 in. compound. Backing, 12 in. Deck Plating, 3 in.
 Armament, six 12-in. 56 ton. Seven 6-in. Eight 6-pounders, Q.F. Six Machine.
 Torpedoes, seven fixed tubes.

CIZOI VELIKY, No. 1. Twin Screw.

Length, 345 ft. Breadth, 68 ft. 10 in. Draught, about 23 ft. 6 in.
 Displacement, 8,880 tons. Indicated H.P., 8,500. Coal, 800 tons.
 Building. Cost, £796,000 (about). Speed, 16 knots.
 Armour, belt, 16 in. compound. Barbette, 14 in. compound.
 Armament, four 12-in. Six 6-in. Twelve 47-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, six fixed tubes.

CIZOI VELIKY, No. 2. Similar to above.

Armour, belt, 15¾ in., 5 above, 11·8 and 10·2 in. Deck Plating, 3 in.
 Armament, four 11·8-in. Six 5·9-in., Q.F. Twenty 1·8-in., Q.F. One 4-in., Q.F.
 Torpedoes, six fixed tubes.

CIZOI VELIKY, No. 3. Similar.

BARBETTES—*continued.***GHEORGI POBIEDONOSETS** (Steel). Twin Screw.

Length, 320 ft. Breadth, 69 ft. Draught, 26 ft. 7 in.
 Displacement, 10,280 tons. Indicated H.P., 10,600. Coal, 700 tons.
 Launched, 1892. Cost, £431,000 (about). Speed, 16½ knots.
 Armour, belt, 16 in., composite. Barbette, 12 in., compound.
 Armament, six 12-in., 56-ton. Seven 6-in., eight 10-cm., Q.F. Six Machine.
 Torpedoes, seven fixed tubes.

SINOPE, B.S. (Iron and Steel). Twin Screw.

Length, 331 ft. Breadth, 69 ft. Draught, 26 ft. 6 in.
 Displacement, 10,150 tons. Indicated H.P., 12,950. Coal, 886 tons.
 Launched, 1887. Cost, £900,000 (about). Speed, 16¾ knots.
 Armour, belt, 16 in., compound. Barbette, 14 in., compound.
 Armament, six 12-in., 50-ton. Seven 6-in. Eight Q.F. Six Machine.
 Torpedoes, seven fixed tubes.

TCHESMÉ, B.S. (Iron and Steel). Twin Screw.

Length, 331 ft. Breadth, 69 ft. Draught, 26 ft. 6 in.
 Displacement, 10,150 tons. Indicated H.P., 10,950. Coal, 886 tons.
 Launched, 1886. Cost, £900,000 (about). Speed, 15 knots.
 Armour, belt, 16 in., compound. Barbette, 14 in., compound.
 Armament, six 12-in., 50-ton. Seven 6-in. Eight Q.F. Six Machine.
 Torpedoes, seven fixed tubes.

TRIA SVIATITELIA (Iron and Steel). Twin Screw.

Length, 357½ ft. Breadth, 72 ft. 2 in. Draught, 27 ft.
 Displacement, 12,480 tons. Indicated H.P., 11,000. Coal, 1,000 tons.
 Launched, 1893. Cost, £850,000 (about). Speed, 16 knots.
 Armour, belt, 18 to 16 in. Topsides, 5 in. Barbette, 16 in. Upper, 5 in. Deck Plating, 3 in.
 Armament, four 12-in., twelve 6-in., Q.F. Four 4¾ in., Q.F. Fifty-six smaller Q.F., and six Machine.
 Torpedoes, six fixed tubes (two submerged).

TURRET CLASS.**DVENADZAT APOSTOLOV** (Iron). Twin Screw.

Length, 330 ft. Breadth, 60 ft. Draught, 25 ft. 6 in.
 Displacement, 8,076 tons. Indicated H.P., 11,500. Coal, 800 tons.
 Launched, 1890. Cost, £460,000 (about). Speed, 16½ knots.
 Armour, belt, 14 in., compound. Twelve Conning Tower, 5 in. Deck Plating, 2½ in.
 Armament, four 12-in., 52-ton. Four 6-in. Eight 3-pounders, Q.F. Ten Machine.
 Torpedoes, six fixed tubes.

TURRET CLASS—*continued.***GANGOOT** (Steel). Twin Screw.

Length, 278 ft. Breadth, 62 ft. Draught, 21 ft.
 Displacement, 6,592 tons. Indicated H.P., 8,250. Coal, 800 tons.
 Launched, 1890. Speed, $14\frac{3}{4}$ knots.
 Armour, partial belt, compound. Armoured casement, 16 in.
 Armament, one 12-in. Four 9-in. Four 6-in. Ten Q.F.
 Torpedoes, five fixed tubes.

NAVARIN (Steel). Twin Screw.

Length, 338 ft. Breadth, 67 ft. Draught, 25 ft.
 Displacement, 9,476 tons. Indicated H.P., 9,000. Coal, 700 tons.
 Launched, 1891. Cost, £772,995 (about). Speed, 16 knots.
 Armour, belt, 16 in. Barbettes, 12 in.
 Armament, four 12-in., 52-ton. Eight 6-in. Fourteen Q.F. Four light.
 Torpedoes, six fixed tubes.

NICOLAI I. (Steel, Copper Sheathed). Twin Screw.

Length, 326 ft. Breadth, 67 ft. Draught, 23 ft.
 Displacement, 8,440 tons. Indicated H.P., 8,000. Coal, 700 tons.
 Launched, 1888. Cost, £453,500 (about). Speed, $14\frac{3}{4}$ knots.
 Armour, belt, 14 in. compound. Turret, 10 in. Battery, 6 in. compound. Deck Plating, $2\frac{1}{2}$ in.
 Armament, two 12-in. 52-ton. Four 9-in. 19-ton. Eight 6-in. Twelve Q.F. Eight Machine, four light.
 Torpedoes, six fixed tubes.

PARIS. 1st Class. Twin Screw.

Length, 357 ft., 6 in. Breadth, 72 ft. 2 in. Draught, 27 ft.
 Displacement, 12 480 tons. Indicated H.P., 10,600. Coal, 800 tons.
 Launched, 1890. Cost, £850,000 (about). Speed, 16 knots.
 Armour, belt, 18 to 16 in. Topsides, 5 in. Turret, 12 in. Deck Plating, 3 in.
 Armament, four 12-in. Twelve 5·9-in. Four 4·7 in., Q.F. Sixteen smaller, Q.F.
 Torpedoes, six fixed tubes.

PETER THE GREAT (Iron). Twin Screw.

Length, 328 ft. 2 in. Breadth, 62 ft. 4 in. Draught, 23 ft. 9 in.
 Displacement, 8,749 tons. Indicated H.P., 8,258. Coal, 1,200 tons.
 Launched, 1872. Cost, £460,000 (about). Speed, $14\frac{1}{2}$ knots.
 Armour, belt, 14 to 8 in. Turret, 8 to 6 in. Backing, $9\frac{3}{4}$ in. Deck Plating, 3 in.
 Armament, four 12-in. 40-ton. Thirteen Q.F. Four light.
 Torpedo, one fixed tube.

PETROPAULOWSKI (Steel). Twin Screw.

Length, 367 ft. 6 in. Breadth, 69 ft. Draught, 26 ft.
 Displacement, 10,960 tons. Indicated H.P., 10,550. Coal, 880 tons.
 Cost, £1,098,000. Speed, $17\frac{1}{2}$ knots.
 Armour, belt, $15\frac{3}{4}$ in. Turret, 10 in. Small Turrets, $4\frac{3}{4}$ in. Deck Plating, $3\frac{1}{2}$ in.
 Armament, four 12-in. Eight 8-in. Twenty-four Q.F.
 Torpedoes, six fixed tubes.

TURRET CLASS—*continued.***POLTAVA** (Steel). Twin Screw.

Similar to *Petropaulowski*.

SEVASTOPOL (Steel). Twin Screw.

Launched, 1895. Indicated H.P., 10,600. Speed, 18½ knots.

Similar to above.

ARMED CRUISERS.**ADMIRAL NACHIMOFF** (Steel, Copper Sheathed).

Length, 333 ft. Breadth, 61 ft. Draught, 25 ft.

Displacement, 7,782 tons. Indicated H.P., 8,000. Coal, 1,200 tons.

Launched, 1885. Cost, £572,000 (about). Speed, 16¾ knots.

Armour, 10 in. compound. Barbette, 8 in. compound. Deck Plating, 3 in.

Armament, eight 8-in. Ten 6-in. Ten Q.F. Four 3-pounders, Q.F. Six Machine.

Torpedoes, four fixed tubes.

DIMITRI DONSKOI (Steel, Copper Sheathed).

Length, 296 ft. 5 in. Breadth, 52 ft. Draught, 24 ft. 2 in.

Displacement, 5,893 tons. Indicated H.P., 7,000. Coal, 400 tons.

Launched, 1883. Cost, £350,000 (about). Speed, 16½ knots.

Armour, belt, 6 in. Deck Plating, 2½ in.

Armament, two 8-in. Twelve 6-in. Sixteen Q.F., and Machine. Four light.

Torpedoes, four fixed tubes.

GENERAL ADMIRAL (Iron, Copper Sheathed).

Length, 285 ft. 5 ft. Breadth, 49 ft. 3 in. Draught, 21 ft.

Displacement, 4,604 tons. Indicated H.P., 4,472. Coal, 1,000 tons.

Launched, 1873. Cost, £250,000 (about). Speed, 14 knots.

Armour, belt, 6 in. Backing, 9¾ in.

Armament, six 8-in. Two 6-in. Ten Q.F., and Machine. Five light.

Torpedoes, two fixed tubes.

GERZOG EDINBURGSKI (Iron and Wood). One Screw.

Length, 285 ft. 5 in. Breadth, 49 ft. 3 in. Draught, 21 ft.

Displacement, 4,604 tons. Indicated H.P., 5,222. Coal, 1,000 tons.

Launched, 1875. Cost, £250,000 (about). Speed, 15 knots.

Armour, belt, 6 in. Backing, 9¾ in.

Armament, four 8-in. Five 6-in. Twelve Q.F. Six light.

Torpedoes, two fixed tubes.

ARMED CRUISERS—*continued.***MININ** (Iron). One Screw.

Length, 298 ft. 6 in. Breadth, 49 ft. 3 in. Draught, 25 ft. 3 in.
 Displacement, 5,940 tons. Indicated H.P., 5,290. Coal, 800 tons.
 Launched, 1879. Cost, £260,000 (about). Speed, 14 knots.
 Armour, belt, 7 in.
 Armament, four 8-in. Twelve 6-in. Sixteen Q.F. Four light.

NEW SHIP (Steel). Twin Screws.

Length, 446 ft. 9 in. Breadth, 70 ft. Draught, 27 ft.
 Displacement, 12,095 tons. Indicated H.P., 15,000 (about). Coal, 2,000 tons.
 Launched, building. Cost, £900,000 (about). Speed, 18½ knots.
 Armament, four 8-in. Sixteen 6-in. Six 4·7-in., Q.F. Eighteen small Q.F. and Machine.
 Armour, belt, 10 in. compound. Deck Plating, 2½ in.
 Torpedoes, six fixed tubes.

PAMYAT AZOVA (Steel, Wood Sheathed over Armour). Twin Screw.

Length, 377 ft. Breadth, 51 ft. Draught, 23 ft.
 Displacement, 6,000 tons. Indicated H.P., 8,000. Coal, 1,000 tons.
 Launched, 1888. Cost, £350,000. Speed, 18¾ knots.
 Armour, belt, 9 in. compound. Barbette, 8 in. compound. Backing, 10 in. Deck Plating, 2½ in.
 Armament, two 8-in. Thirteen 6-in. Fourteen Q.F. Three Machine.
 Torpedoes, seven fixed tubes.

ROSSIA (Steel). Twin Screw.

Length, 480 ft. Breadth, 68 ft. 6 in. Draught, 25 ft.
 Displacement, 12,130 tons. Indicated H.P., 15,000. Coal, 2,000 tons.
 Launched, 1892. Cost, £900,000 (about). Speed, 18½ knots.
 Armament, four 8-in. Sixteen 6-in. Six 4·7-in., Q.F. Eighteen small Q.F. and Machine.
 Armour, belt, 10 in. compound.
 Torpedoes, six fixed tubes.

RURIK (Steel). Twin Screws.

Length, 396 ft. 6 in. Breadth, 67 ft. Draught, 26 ft.
 Displacement, 10,923 tons. Indicated H.P., 13,250. Coal, 2,000 tons.
 Launched, building. Cost, £800,000 (about). Speed, 18 knots.
 Armament, four 8-in. Sixteen 6-in. Six 4·7-in., Q.F. Eighteen small Q.F. and Machine.
 Armour, belt, 10 in. compound. Deck Plating, 2½ in.
 Torpedoes, five fixed tubes.

VLADIMIR MONOMACH (Steel, Copper Sheathed). Twin Screws.

Length, 296 ft. 6 in. Breadth, 52 ft. Draught, 24 ft.
 Displacement, 5,796 tons. Indicated H.P., 7,000. Coal, 400 tons.
 Launched, 1882. Speed, 15 knots.
 Armament, four 8-in. Twelve 6-in. Eighteen Q.F. and Machine. Four light.
 Armour, belt, 6 in. compound. Deck Plating, 2 in.
 Torpedoes, two fixed tubes.

COAST DEFENCE SCREW TURRETS.**ADM. CHICHAGOFF** (Iron). One Screw.

Length, 254 ft. Breadth, 42 ft. 7 in. Draught, 13 ft.
 Displacement, 3,511 tons. Indicated H.P., 2,060. Coal, 300 tons.
 Launched, 1868. Speed, 10.5 knots.
 Armour, belt, 6 in. Turret, 6-in. Backing, 17½ in.
 Armament, two 11-in. 28-ton. Six Q.F. Four light.

ADM. GREIG (Iron). One Screw.

Length, 254 ft. Breadth, 42 ft. 7 in. Draught, 17 ft. 6 in.
 Displacement, 3,593 tons. Indicated H.P., 2,031. Coal, 300 tons.
 Launched, 1868. Speed, 100 knots.
 Armour, belt, 4½ in. Turret, 6 in. Backing, 17½ in.
 Armament, three 11-in. 28-ton. Six Q.F. Two light.

ADM. LAZAREFF (Iron). One Screw.

Length, 254 ft. Breadth, 43 ft. Draught, 17 ft. 6 in.
 Displacement, 3,556 tons. Indicated H.P., 2,004. Coal, 300 tons.
 Launched, 1867. Speed, 10.30 knots.
 Armour, belt, 4½ in. Turret, 6 in. Backing, 17½ in.
 Armament, three 11-in. 28-ton. Six Q.F. Four light.

ADM. SPIRIDOFF (Iron). Single Screw.

Length, 254 ft. 3 in. Breadth, 42 ft. 7 in. Draught, 19 ft. 1 in.
 Displacement, 3,500 tons. Indicated H.P., 2,007. Coal, 300 tons.
 Launched, 1868. Speed, 10.6 knots.
 Armour, belt, 6 in. Turret, 6 in. Backing, 17½ in.
 Armament, two 11-in. 28-ton. Six Q.F. Four light.

BRONENOSSETZ (Iron). Single Screw.

Length, 200 ft. Breadth, 45 ft. 11 in. Draught, 11 ft. 6 in.
 Displacement, 1,432 tons. Indicated H.P., 481. Coal, 250 tons.
 Launched, 1864. Speed, 7 knots.
 Armour, belt, five 1-in. plates. Turret, eleven 1-in. plates. Deck Plating, 1 in.
 Armament, two 9-in. Four Q.F. and Machine.

CHARODEIKA (Iron). Two Screws.

Length, 206 ft. 9 in. Breadth, 42 ft. 7 in. Draught, 10 ft. 6 in.
 Displacement, 1,880 tons. Indicated H.P., 790. Coal, 250 tons.
 Launched, 1867. Speed, 8 knots.
 Armour, belt, 4½ in. Turret, 6 in. Backing, 17½ in. Deck Plating, 1 in.
 Armament, four 9-in. Two Q.F. and two Machine.

EDINOROG (Iron). One Screw.

Length, 201 ft. Breadth, 46 ft. Draught, 11 ft. 6 in.
 Displacement, 1,570 tons. Indicated H.P., 460. Coal, 250 tons.
 Launched, 1864. Speed, 7.2 knots.
 Armour, belt, five 1 in. plates. Turret, eleven 1 in. plates. Backing, 39 in. Deck Plating, 1 in.
 Armament, two 9-in. 15-ton. Two Q.F. Two Machine.

COAST DEFENCE SHIPS.**ADMIRAL OUTSHAKOFF.** Twin Screw.

Length, 278 ft. 8 in. Breadth, 52 ft. 6 in. Draught, 17 ft.
 Displacement, 4,126 tons. Indicated H.P., 5,000. Coal, 400 tons.
 Launched, 1893. Cost, £410,000 (about). Speed, 16 knots.
 Armour, belt, 10 in. Deck Plating, 3 in.
 Armament, four 10-in. Twenty Q.F. Two 9-in. Four 6-in. Six 47-mm., Q.F. Eight Machine.
 Torpedoes, four fixed tubes.

ADMIRAL SENIAVIN.

Same as *Admiral Outshakoff*.
 Armament, four 9-in. Four 6-in., Q.F. Six 47-mm., Q.F. Eight 37-mm., Q.F.

KREML (Iron). Broadside Ship.

Length, 219 ft. 10 in. Breadth, 52 ft. 5 in. Draught, 15 ft.
 Displacement, 3,410 tons. Indicated H.P., 1,120. Coal, 500 tons.
 Launched, 1864. Speed, 9 knots.
 Armour, belt, 4½ in. Battery, 4½ in. Backing, 17½ in.
 Armament, eight 8-in. Six 6-in. Five Q.F. Six light.

NETRON MENYA (Iron). Broadside Ship.

Length, 219 ft. 10 in. Breadth, 53 ft. Draught, 15 ft. 6 in.
 Displacement, 3,440 tons. Indicated H.P., 1,630. Coal, 500 tons.
 Launched, 1864. Speed, 9 knots.
 Armour, belt, 4½ in. Battery, 4½ in. Backing, 9¾ in.
 Armament, fourteen 8-in. Four Q.F. Two Machine, four light.
 Torpedo, one Launching Carriage.

NOVGOROD, B.S. (Iron, Copper Sheathed) Circular. Six Screws.

Length, 101 ft. Breadth, 101 ft. Draught, 13 ft.
 Displacement, 2,490 tons. Indicated H.P., 2,000. Coal, 200 tons.
 Launched, 1873. Speed, 6 knots.
 Armour, belt, 9 to 7 in. Battery, 9 in.
 Armament, two 11-in. Eight Q.F. Two Machine, two light.

VICE-ADMIRAL POPOFF (Iron, Copper Sheathed) Circular. Six Screws.

Length, 120 ft. Breadth, 120 ft. Draught, 13 ft. 5 in.
 Displacement, 3,590 tons. Indicated H.P., 3,070. Coal, 250 tons.
 Launched, 1875. Speed, 8 knots.
 Armour, belt, 16 in. Battery, 16 in. Backing, 9 in.
 Armament, two 12-in. 40 ton. Two Q.F. Six light.

PERVENETZ (Iron). Broadside Ship. One Screw.

Length, 219 ft. 10 in. Breadth, 52 ft. 5 in. Draught, 14 ft. 9 in.
 Displacement, 3,280 tons. Indicated H.P., 1,070. Coal, 500 tons.
 Launched, 1863. Speed, 9 knots.
 Armour, belt, 4½ in. Battery, 4½ in. Backing, 9¾ in.
 Armament, six 8-in. Nine 6-in. Fifteen Q.F. and Machine.

ARMoured GUNBOATS.**GREMYASTCHY** (Steel). Twin Screws.

Length, 225 ft. Breadth, 41 ft. Draught, 25 in.
 Displacement, 1,490 tons. Indicated H.P., 2,000. Coal, 250 tons.
 Launched, 1892. Speed, 15 knots (about).
 Armament, one 9-in. One 6-in. Ten Q.F.
 Armour, belt, 5 in. Deck Plating, 1½ in.
 Torpedoes, two fixed tubes.

GROZYASHTCHY (Steel). Twin Screw.

Length, 229 ft. Breadth, 41 ft. 8 in. Draught, 11 ft.
 Displacement, 1,490 tons. Indicated H.P., 2,000. Coal, 250 tons.
 Launched, 1890. Speed, 15 knots (about).
 Armament, one 9-in. One 6-in. 6-ton. Eight Q.F.
 Armour, belt, 5-in. Deck Plating 1½ in.
 Torpedoes, two fixed tubes.

KNIOZ POYARSKI (Iron). Central Battery. One Screw.

Length, 272 ft. 4 in. Breadth, 49 ft. 3 in. Draught, 23 ft. 11 in.
 Displacement, 4,600 tons. Indicated H.P., 2,840. Coal, 600 tons.
 Launched, 1867. Speed, 10½ knots.
 Armament, two 8-in. Two 6-in. Ten Q.F. and Machine. Four light.
 Armour, belt, 4½ and 3½ in. Battery, 4½ in.

OTVANZY, Twin Screws.

Length, 225 ft. Breadth, 41 ft. Draught, 11 ft.
 Displacement, 1,490 tons. Indicated H.P., 2,000. Coal, 250 tons.
 Launched, 1892. Speed 13½ knots.
 Armament, one 9-in. One 6-in. Ten Q.F.
 Armour, belt, 5 in. Deck Plating, 1½ in.
 Torpedoes, two fixed tubes.

Keels laid June 1st, 1895, Admiralty Yards, St. Petersburg.

GENERAL ADMIRAL APRAXIN. Coast Defence Ironclad.

ROSSIJA. First Class Cruiser.

CHRALERIJI. Gunboat.

VIERNYI. Training Ship.

UNARMoured SHIPS.



SECOND-CLASS CRUISERS.

ADMIRAL KORNILOFF, D.P.T., 2½ in. (Steel, Wood Sheathed). Twin Screw.

Length, 351 ft. Breadth, 48 ft. 6 in. Draught, 20 ft.

Displacement, 5,000 tons. Indicated H.P., 9,000. Coal, 500 tons.

Launched, 1887. Cost, £296,000 (about). Speed, 17½ knots.

Armament, two 8-in. Fourteen 6-in. Six 47-mm., Q.F. Six 37-mm., Q.F. Five light.
Torpedoes, six fixed tubes or Launching Carriages.

PAMYAT MERKURIYA (Iron and Steel). One Screw.

Length, 295 ft. Breadth, 45 ft. Draught, 17 ft.

Displacement, 3,050 tons. Indicated H.P., 3,000. Coal, 250 tons.

Launched, 1880. Speed, 16 knots.

Armament, six 6-in. Eight 47-mm., Q.F. One Machine, four light.
Torpedoes, two fixed tubes or Launching Carriages.

THIRD-CLASS CRUISERS.

AFRIKA (Iron). One Screw.

Length, 285 ft. 5 in. Breadth, 39 ft. 4 in. Draught, 17 ft. 1 in.

Displacement, 2,852 tons. Indicated H.P., 1,350. Coal, 350 tons.

Launched, 1877. Speed, 13 knots.

Armament, three 6-in. Six 47-mm., Q.F. Four Machine, four light.

ASIA (Iron). One Screw.

Length, 269 ft. Breadth, 36 ft. Draught, 16 ft. 5 in.

Displacement, 2,490 tons. Indicated H.P., 1,100. Coal, 350 tons.

Launched, 1878. Speed, 13 knots.

Armament, two 6-in. Five 47-mm., Q.F. Six Machine, five light.

RYNDA, D.P.T., 1½ in. (Steel, Wood Sheathed). Twin Screw.

Length, 265 ft. 9 in. Breadth, 45 ft. 11 in. Draught, 16 ft. 1 in.

Displacement, 3,200 tons. Indicated H.P., 3,000. Coal, 710 tons.

Launched, 1885. Speed, 14½ knots.

Armament, ten 6-in. Nine Q.F. and Machine. Four light.

Torpedoes, four fixed tubes or Launching Carriages.

GUN VESSEL CLASS.**BOBR** (Steel). Twin Screw.

Length, 187 ft. Breadth, 35 ft. 2 in. Draught, 9 ft. 6 in.
 Displacement, 950 tons. Indicated H.P., 1,150.
 Launched, 1884. Cost, £43,000 (about). Speed, 12 knots.
 Armament, one 9-in. One 6-in. Five Q.F. Machine, six light.

CHERNOMORETZ (Steel). One Screw.

Length, 210 ft. Breadth, 35 ft. Draught, 11 ft. 1 in.
 Displacement, 1,224 tons. Indicated H.P., 2,000.
 Launched, 1889. Cost, £40,000 (about). Speed, 13½ knots.
 Armament, two 8-in. One 6-in. Seven Q.F. and Machine.
 Torpedoes, two fixed tubes or Launching Carriages.

COREETZ (Steel). Twin Screw.

Length, 206 ft. Breadth, 35 ft. Draught, 10 ft. 6 in.
 Displacement, 1,213 tons. Indicated H.P., 1,500.
 Launched, 1886. Cost, £40,000 (about). Speed, 13½ knots.
 Armament, two 8-in. One 6-in. Two Q.F., four light.
 Torpedoes, two fixed tubes or Launching Carriages.

JERMAK (Steel). One Screw.

Length, 154 ft. 3 in. Breadth, 26 ft. 3 in. Draught, 11 ft. 2 in.
 Displacement, 710 tons. Indicated H.P., 125.
 Launched, 1870. Speed, 8½ knots.
 Armament, two guns.

KUBANETZ (Steel). One Screw.

Length, 210 ft. Breadth, 35 ft. Draught, 11 ft.
 Displacement, 1,200 tons. Indicated H.P., 1,500.
 Launched, 1888. Cost, £40,000 (about). Speed, 13¾ knots.
 Armament, two 8-in. 10-ton. One 6-in. Seven Q.F.
 Torpedoes, three fixed tubes or Launching Carriages.

MANDSHUR (Steel). Twin Screw.

Length, 210 ft. Breadth, 35 ft. Draught, 11 ft.
 Displacement, 1,200 tons. Indicated H.P., 1,400.
 Launched, 1886. Cost, £40,000 (about). Speed, 14 knots.
 Armament, two 8-in. One 6-in. Seven Q.F. Machine, four light.
 Torpedoes, two fixed tubes or Launching Carriages.

SIVOOTCH (Steel). Twin Screw.

Length, 187 ft. Breadth, 35 ft. Draught, 9 ft. 6 in.
 Displacement, 950 tons. Indicated H.P., 1,120.
 Launched, 1884. Cost, £43,000 (about). Speed, 12½ knots.
 Armament, one 9-in. One 6-in. Five Q.F. Machine, six light.

TORPEDOES.**TERETZ** (Steel). Twin Screw.

Length, 210 ft. Breadth, 35 ft. Draught, 11 ft.
 Displacement, 1,200 tons. Indicated H.P., 1,500.
 Launched, 1888. Cost, £40,000 (about). Speed, 13½ knots.
 Armament, two 8-in. One 6-in. Seven Q.F. and Machine.
 Torpedoes, two fixed tubes or Launching Carriages.

TUNGUZ (Iron). One Screw.

Length, 154 ft. 3 in. Breadth, 26 ft. 3 in. Draught, 11 ft. 2 in.
 Displacement, 710 tons. Indicated H.P., 125.
 Launched, 1870. Speed, 8½ knots.
 Armament, four guns.

URALETZ (Steel). Twin Screw.

Length, 210 ft. Breadth, 35 ft. Draught, 11 ft.
 Displacement, 1,200 tons. Indicated H.P., 1,500.
 Launched, 1888. Cost, £40,000 (about). Speed, 13½ knots.
 Armament, two 8-in. One 6-in. Seven Q.F. and Machine.
 Torpedoes, two fixed tubes or Launching Carriages.

GUN VESSEL CLASS.**LAPOROJETZ** (Steel). Twin Screw.

Length, 210 ft. Breadth, 35 ft. Draught, 10 ft.
 Displacement, 1,200 tons. Indicated H.P., 2,000.
 Launched, 1887. Cost, £40,000 (about). Speed, 13½ knots.
 Armament, two 8-in. One 6-in. Seven Q.F. and Machine.
 Torpedoes, two fixed tubes or Launching Carriages.

TORPEDO GUNBOAT CLASS.**CAPTAIN SACKEN** (Steel). Twin Screw.

Length, 210 ft. Breadth, 24 ft. Draught, 8 ft. 10 in.
 Displacement, 740 tons. Indicated H.P., 3,400. Coal, 80 tons.
 Launched, 1888. Cost, £40,700 (about). Speed, 18½ knots.
 Armament, seven 4·7-in., Q.F. Seven Machine.
 Torpedoes, six Launching Carriages.

TORPEDO GUNBOAT CLASS—*continued.***GAIDAMAK** (Steel). Twin Screw.

Length, 192 ft. 6 in. Breadth, 24 ft. 2 in. Draught, 7 ft. 6 in.
 Displacement, 400 tons. Indicated H.P., 3,500. Coal, 90 tons.
 Launched, 1893. Cost, £63,000 (about). Speed, 22 knots.
 Armament, two 4·7-mm., Q.F. Seven 37-mm., Q.F. Ten Machine.
 Torpedoes, three Launching Carriages.

GRIDEN (Steel). Twin Screw.

Length, 192 ft. 6 in. Breadth, 24 ft. 2 in. Draught, 7 ft. 6 in.
 Displacement, 400 tons. Indicated H.P., 3,500. Coal, 90 tons.
 Launched, 1893. Cost, £66,000 (about). Speed, 22 knots.
 Armament, two 4·7-mm., Q.F. Seven 37-mm., Q.F. Ten Machine.
 Torpedoes, three Launching Carriages.

KAZARSKY (Steel). Twin Screw.

Length, 190 ft. Breadth, 24 ft. Draught, 8 ft. 6 in.
 Displacement, 410 tons. Indicated H.P., 3,500. Coal, 90 tons.
 Launched, 1890. Cost, £32,500 (about). Speed, 21½ knots.
 Armament, nine 4·7-mm., Q.F. (Hotchkiss).
 Torpedoes, two Launching Carriages.

LIEUTENANT ILYN (Steel). Twin Screw.

Length, 230 ft. Breadth, 24 ft. Draught, 8 ft. 10 in.
 Displacement, 600 tons. Indicated H.P., 3,500. Coal, 97 tons.
 Launched, 1887. Cost, £40,150 (about). Speed 20 knots.
 Armament, seven 3-pounders, Q.F. Ten Machine.
 Torpedoes, seven fixed tubes or Launching Carriages.

POSADNIK (Steel). Twin Screw.

Length, 192 ft. 6 in. Breadth, 24 ft. 2 in. Draught, 7 ft. 6 in.
 Displacement, 400 tons. Indicated H.P., 3,300. Speed, 22 knots.
 Launched, 1892. Cost, £111,000 (about). Coal, 90 tons.
 Armament, two 4·7-mm., Q.F. Seven 37-mm., Q.F. Three Machine.
 Torpedoes, three fixed tubes or Launching Carriages.

TWO NEW SHIPS. *Building.*

TORPEDO GUNBOAT CLASS—*continued.***VOEVADA** (Steel). Twin Screw.

Length, 192 ft. 6 in. Breadth, 24 ft. 2 in. Draught, 7 ft. 6 in.
 Displacement, 400 tons. Indicated H.P., 3,300. Coal, 95 tons.
 Launched, 1892. Cost, £111,000 (about). Speed, 22 knots.
 Armament, two 47-mm., Q.F. Seven 37-mm., Q.F. Three Machine.
 Torpedoes, three fixed tubes or Launching Carriages.

VZADNIDK (Steel). Twin Screw.

Length, 192 ft. 6 in. Breadth, 24 ft. 2 in. Draught, 7 ft. 6 in.
 Displacement, 400 tons. Indicated, H.P., 3,500. Coal, 95 tons.
 Launched, 1893. Cost, £111,000 (about). Speed, 22 knots.
 Armament, four 47-mm., Q.F. Seven 37-mm., Q.F. Ten Machine.
 Torpedoes, three fixed tubes or Launching Carriages.

SLOOP CLASS.**LABIYAKA** (Iron). One Screw.

Length, 219 ft. 10 in. Breadth, 29 ft. 6 in. Draught, 14 ft. 9 in.
 Displacement, 1,230 tons. Indicated H.P., 1,470.
 Launched, 1878. Speed, 14 knots.
 Armament, two 6-in. Six Q.F. Four Machine, five light.

PLASTUN (Iron and Wood). One Screw.

Length, 206 ft. 9 in. Breadth, 32 ft. 10 in. Draught, 14 ft.
 Displacement, 1,330 tons. Indicated H.P., 1,540.
 Launched, 1879. Speed, 13 knots.
 Armament, three 6-in. Seven Q.F. and Machine, four light.

VJESTNIK (Iron, Wood Sheathed). One Screw.

Same as *Plastun*.

CORVETTE CLASS.**DJIGIT** (Iron and Wood). One Screw.

Length, 206 ft. 9 in. Breadth, 32 ft. 10 in. Draught, 16 ft. 1 in.
 Displacement, 1,330 tons. Indicated H.P., 1,380.
 Launched, 1876. Speed, 13 knots.
 Armament, three 6-in. Eight Q.F. and Machine, four light.

DONETZ (Steel). One Screw.

Length, 210 ft. Breadth, 35 ft. Draught, 11 ft.
 Displacement, 1,200 tons. Indicated H.P., 2,000.
 Launched, 1887. Cost, £40,000. Speed, 13½ knots.
 Armament, two 8-in. One 6-in. Seven Q.F. and Machine.
 Torpedoes, two fixed tubes or Launching Carriages.

CORVETTE CLASS—*continued.***KREYZER** (Iron and Wood). One Screw.

Length, 206 ft. 9 in. Breadth, 32 ft. 10 in. Draught, 16 ft. 1 in.
 Displacement, 1,330 tons. Indicated H.P., 1,200.
 Launched, 1875. Speed, 13 knots.
 Armament, two 6-in. Seven Q.F. One Machine, four light.

NAYEZDNIK (Iron and Wood). One Screw.

Length, 206 ft. 9 in. Breadth, 32 ft. 10 in. Draught, 14 ft.
 Displacement, 1,330 tons. Indicated H.P., 1,720.
 Launched, 1878. Speed, 13 knots.
 Armament, three 6-in. Seven Q.F. and Machine, four light.

OPRICHNIK (Steel and Wood). One Screw.

Length, 206 ft. 9 in. Breadth, 32 ft. 10 in. Draught, 14 ft.
 Displacement, 1,330 tons. Indicated H.P., 1,680.
 Launched, 1880. Speed, 12½ knots.
 Armament, three 6-in. Seven Q.F. and Machine, four light.

RAZBOYNIK (Iron and Wood). One Screw.

Length, 206 ft. 9 in. Breadth, 32 ft. 10 in. Draught, 14 ft.
 Displacement, 1,330 tons. Indicated H.P., 1,790.
 Launched, 1878. Cost, £125,000 (about). Speed, 13 knots.
 Armament, three 6-in. Seven Q.F. and Machine, four light.

STRJELOK (Iron and Wood). One Screw.

Length, 206 ft. 9 in. Breadth, 32 ft. 10 in. Draught, 14 ft.
 Displacement, 1,330 tons. Indicated H.P., 1,530.
 Launched, 1880. Speed, 13 knots.
 Armament, three 6-in. Seven Q.F. and Machine, four light.

DESPATCH VESSEL.
PENDERAKLIA (Iron). One Screw.

Length, 190 ft. 3 in. Breadth, 29 ft. 6 in. Draught, 12 ft. 8 in.
 Displacement, 1,050 tons. Indicated H.P., 570.
 Launched, 1877. Speed, 10 knots.
 Armament, 3 guns.

OTHER SHIPS.

Twelve Gunboats from 200 to 400 tons; Indicated H.P., 190 to 450, with one 11-in. Breechloader, and about 9 and 7 knots speed.
 Twelve Steamers, from 90 to 300 tons displacement.

RUSSIAN TORPEDO BOATS.

FIRST CLASS.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coml.	Where Built.
	Abo	87	900	128·0	15·7	7·5	22·2	13	2	1886	17	Elbing.
	Bjerke	81	1,100	136·5	13·0	7·8	21	13	2	1890	17	Putiloff.
	Borgo	81	1,100	136·5	13·0	7·8	21	13	2	1890	17	Abo.
	Dago	100	1,000	152·0	13·0	8·3	19	30	2	1891	30	„
	Eckness	81	1,100	136·5	13·0	7·8	21	13	2	1890	17	„
	Hapsal	81	1,100	126·0	13·0	8·5	21	13	2	1891	17	Putiloff.
	Hogland	85	1,200	128·0	16·0	6·9	22	13	2	...	17	Itschora.
	Kotka	100	1,000	152·0	13·0	8·3	19	30	2	1891	30	Abo.
	Kotlinj	67	500	124·2	12·9	5·9	16·5	16	2	1885	15	St. Petersburg.
	Kronschlot	100	1,000	152·0	13·0	8·3	19	30	2	1891	30	Kolpiro.
	Lachta	87	900	128·0	15·7	7·5	20	13	2	1886	17	Elbing.
	Libawa	87	1,000	128·0	15·7	7·5	22	13	2	1886	17	„
	Louga	87	900	128·0	15·7	7·5	20	13	2	1886	17	„
	Moonsund	81	1,100	126·0	13·0	8·5	21	13	2	1891	17	Putiloff.
	Nargen	85	1,200	128·0	13·0	6·9	22	13	2	...	17	Itschora.
	Narwa	87	900	128·0	15·7	7·5	20	13	2	1886	17	Elbing.
	Pernow	118	2,000	138·0	14·7	9·9	25·4	26	2	1892	20	Normand.
	Revel	96	780	152·3	12·3	8·1	22	30	2	1886	30	„
	Rochensalm	81	1,100	136·5	13·0	7·8	21	13	2	1890	17	Putiloff.
	Seskar	100	1,000	152·0	13·0	8·3	19	30	2	1891	30	Kolpiro.
	Sestoresk	75	1,300	118·0	13·2	8·7	24	21	2	1893	10	Normand.
	Sweaborg	96	780	158·3	12·3	8·1	19·7	30	2	1886	30	„
	Tosna	90	1,250	127·9	15·7	6·9	21	13	2	1893	17	Putiloff.
	Viborg	126	1,400	144·5	17·0	8·1	20	24	3	1886	45	Clyde Bank.
	Vindawa	87	900	128·0	15·7	7·5	21	13	2	1886	17	Elbing.
	Vzriw	160	800	118·0	16·0	10·9	14·5	18	1	1877	16	St. Petersburg.
	N.	150	1,100	152·0	17·0	...	19	30	2	1893	30	Elbing.
8	Boats	85	1,200	128·0	16·0	6·9	22	13	2	various	17	St. Petersburg.
2	Boats	118	1,100	138·0	14·7	9·9	25	26	2	1886	20	Putiloff.
10	Boats ... ..	...	...	150·0	...	...	26·2	30	2	various	30	St. Petersburg.

RUSSIAN TORPEDO BOATS.
FIRST CLASS.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
3	A. B. C.	81	1,100	126·0	13·0	8·5	21	13	2	1893	17	Nicolaieff.
1	Adler	130	2,200	152·0	17·2	7·9	27·4	24	3	1890	40	Elbing.
1	Anakria	85	1,200	128·0	16·0	6·9	22	13	2	1890	17	„
1	Anapa	81	1,100	126·0	13·0	8·5	21	13	2	1891	17	Odessa.
1	Aitodorj	81	1,100	126·0	13·0	8·5	21	13	2	1891	17	„
1	Batoum	40	500	100·0	12·5	5·5	22	12	2	1880	9	Poplar.
2	D. E.	85	1,200	128·0	16·0	6·9	22	13	2	1893	17	Sabastopol.
1	Gagri	78	600	120·6	13·3	7·0	18	13	2	1883	12	Claparède.
1	Gelendshik	73	560	122·7	12·4	6·2	18	13	2	1883	11	La Seyne.
1	Ismail	87	900	128·0	15·7	7·5	20	13	2	1886	17	Nicolaieff.
1	Itzvar	81	1,100	126·0	13·0	8·5	22	13	2	1891	17	Odessa.
1	Kodor	87	900	128·0	15·7	7·5	21	13	2	1886	17	Elbing.
1	Kilia	87	900	128·0	15·7	7·5	22	13	2	1886	17	„
1	Novorossisk ..	87	900	128·0	15·7	7·5	22	13	2	1886	17	„
1	Poti	72	570	124·6	11·9	6·7	18·5	13	2	1883	11	Normand.
1	Reni	87	900	128·0	15·7	7·5	22	13	2	1886	17	Elbing.
1	Sookhoum	64	700	113·0	12·5	6·0	19·5	13	2	1883	10	Chiswick.
1	Tehardak	87	900	128·0	15·7	7·5	20	13	2	1886	17	Elbing.
1	Yalta	87	900	128·0	15·7	7·5	22	13	2	1886	17	„
1	Forel	23	220	71·5	6·5	3·3	16	9	1	...	5	...
1	Jantchiche	87	970	128·0	15·7	11·5	19	13	2	1887	17	Elbing.
1	N.	140	2,200	152·5	16·8	7·10	26·5	24	3	1893	40	...
1	N.	140	2,200	152·5	16·8	7·10	26·5	24	3	1893	40	...
1	Podorosnik	23	220	71·5	6·5	3·3	16	9	1	...	5	...
1	Sisik	23	220	71·5	6·5	3·3	16	9	1	...	5	...
1	Skorpion	23	220	71·5	6·5	3·3	16	9	1	...	5	...
1	Sootchena	87	970	128·0	15·7	11·5	19	13	2	1887	17	Elbing.
1	Sterliad	23	220	71·5	6·5	3·3	16	9	1	...	5	..
1	Strauss	23	220	71·5	6·5	3·3	16	9	1	...	5	...
1	Sunguri	104	1,800	152·0	16·0	7·9	22	20	3	1890	30	Abo.
1	Ussuri	104	1,800	152·0	16·0	7·9	22	20	3	1890	30	„
1	Sokol	151	4,400	190·0	17·5	8·0	30	30	2	1895	60	Poplar.

RUSSIAN TORPEDO BOATS.

SECOND CLASS.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
21	(Galka Class) ...	30	220	74·7	8·9	5·0	16	14	2	1880, &c.	3	Elbing.
21	(Woron Class) ...	20	260	66·0	11·1	4·2	17	10	2	Various	1	„
1	Boat ...	16	240	60·0	8·5	3·0	17·5	10	2	1888	1	Poplar.
1	Istcheritza ...	24	220	62·3	9·7	3·9	15	10	2	1878	2	Sebastopol.
1	Karabin ...	11	120	64·3	8·4	2·0	15	8	2	1877	1	Elbing.
1	Kefal ...	24	210	60·5	7·5	3·5	16·8	8	2	1880	2	Chiswick.
1	Scheglensk ...	24	220	59·3	9·5	3·9	15	10	2	1878	2	Sebastopol.
1	Schehouka ...	24	220	59·3	9·5	3·9	15	10	2	1878	2	„
1	Scoombia ...	24	220	64·3	10·0	4·0	15	10	2	1878	2	Odessa.
1	Soroka ...	24	220	62·3	9·7	3·9	15	10	2	1878	2	St. Petersburg.
1	Soulin ...	24	210	60·0	9·7	3·9	15	10	2	1877	2	...
1	Sultanka ...	24	220	64·3	10·0	4·0	15	10	2	1878	2	Odessa.
50	(Woron Class) ...	20	260	66·0	11·1	4·2	17	10	2	Various	2	Elbing, &c.

RUSSIAN AUXILIARY CRUISERS.

N A M E S.	Material.	Where Built.	When Built.	Length.	Breadth.	Draught.	Displacement.	Indicated H.P.	Screw.	Speed.
				Ft. in.	Ft. in.	Ft. in.	Tons.			Knots.
BLACK SEA COMPANY.										
CZAR ...	Steel	Newcastle	1883	319 0	37 0	23 6	2,240	3,500	1	16
CZAREVNA ...	Steel	Newcastle	1883	319 0	37 0	23 6	2,240	3,500	1	16
CZARITZA ...	Steel	Newcastle	1883	319 0	37 0	23 6	2,240	3,500	1	16
GRAND DUKE ALEXIS ...	Steel	Hebburn	1890	284 0	37 0	14 9	2,350	3,500	1	16
GRAND DUKE CONSTANTIUS ...	Steel	Hebburn	1891	284 0	37 0	15 0	2,400	3,500	1	16
ROUMAUTZEFF ...	Steel	Hebburn	1894	212 0	28 0	7 6	760	1,000	2	13
VOLUNTEER FLEET.										
KOSTROMA ...	Steel	Hebburn	1888	360 0	42 0	23 6	3,030	2,700	1	12
MOSKVA ...	Steel	Glasgow	1879	360 0	43 0	24 0	3,050	2,730	1	14
OREL ...	Steel	Hebburn	1889	445 0	48 0	23 6	5,000	10,000	2	19
PETERSBURG ...	Steel	Hebburn	1894	460 0	52 0	24 0	5,100	11,000	2	19
RUSSIA ...	Iron	Hebburn	1868	341 0	40 0	21 0	3,100	2,200	1	14
SARATOFF ...	Steel	Hebburn	1892	460 0	50 0	24 0	5,309	10,000	2	19
TAMBOFF ...	Steel	Dunbarton	1893	385 0	45 0	24 6	4,360	8,000	2	18
VLADIVOSTOCK ...	Steel	Hebburn	1894	265 0	36 0	14 6	2,700	1,800	2	13
YARASLAV ...	Steel	Dunbarton	1893	385 0	45 0	24 6	4,194	8,000	2	18
NIJMI NOVGOROD ...	...	...	...	...	...	...	3,130	2,300	...	...

ITALIAN NAVY.

ARMOURED SHIPS.

BARBETTE CLASS.

ANDREA DORIA (Steel). Twin Screw.

Length, 328 ft. 2 in. Breadth, 65 ft. 4 in. Draught, 27 ft. 2 in.
 Displacement, 11,000 tons. Indicated H.P., 10,500. Coal, 850 tons.
 Launched, 1885. Speed, 16 knots.
 Armour, belt, 18 in. compound. Barbette, 18 in. compound. Deck Plating, 3 in.
 Armament, four 105-ton (Armstrong). Two 15-cm. Four 12-cm., Q.F. Ten 57-mm., Q.F. Seventeen
 37-mm., Q.F. Two light.
 Torpedoes, five fixed tubes or Launching Carriages (two submerged).

FRANCESCO MEROSINI (Steel). Twin Screw.

Length, 328 ft. 2 in. Breadth, 68 ft. 4 in. Draught, 27 ft. 2 in.
 Displacement, 11,000 tons. Indicated H.P., 10,000. Coal, 850 tons.
 Launched, 1885. Speed, 17 knots.
 Armour, belt, 18 in. compound. Barbette, 18 in. compound. Deck Plating, 3 in.
 Armament, four 105-ton (Armstrong). Two 15-cm. Four 12-cm., Q.F. Ten 57-mm., Q.F. Seventeen
 37-mm., Q.F. Two light.
 Torpedoes, five fixed tubes or Launching Carriages (two submerged).

LEPAUTO (Steel). Twin Screw.

Length, 400 ft. 6 in. Breadth, 74 ft. Draught, 31 ft. 2 in.
 Displacement, 15,900 tons. Indicated H.P., 18,000. Coal, 1,650 tons.
 Launched, 1883. Speed, 18 $\frac{1}{2}$ knots.
 Armour, funnel openings, 16 in. Barbette, 19 in. compound. Backing, 22 $\frac{3}{4}$ in. Deck Plating, 3 in.
 Armament, four 100-ton (Armstrong). Eight 15-cm. 4-ton. Four 12-cm., Q.F. Twelve 57-mm., Q.F.
 Twenty-four 37-mm., Q.F. Two light.
 Torpedoes, four fixed tubes or Launching Carriages.

RE UMBERTO (Steel). Twin Screws.

Length, 400 ft. Breadth, 76 ft. 9 in. Draught, 28 ft. 6 in.
 Displacement, 13,298 tons. Indicated H.P., 19,500. Coal, 1,200 tons.
 Launched, 1888. Cost, £1,000,000 (about). Speed, 18 knots.
 Armour, side, 4 in. (Steel). Barbette, 18 in. Deck Plating, 3 in.
 Armament, two 67-ton (Armstrong). Eight 15-cm., Q.F. Sixteen 12-cm., Q.F. Fifteen 57-mm., Q.F.
 Ten 37-mm., Q.F. Two light.
 Torpedoes, eight fixed tubes or Launching Carriages.



Photo by G. WEST & SON, Southsea.

ITALIAN BATTLE SHIP "RE UMBERTO."

See page 207.

BARBETTE CLASS—*continued.***RUGGIERO DI LAURIA** (Steel). Twin Screw.

Length, 328 ft. 2 in. Breadth, 65 ft. 4 in. Draught, 27 ft. 2 in.
 Displacement, 11,000 tons. Indicated H.P., 10,000. Coal, 850 tons.
 Launched, 1884. Speed, 17 knots.
 Armour, side, 18 in. compound. Barbette, 18 in. compound. Deck Plating, 3 in.
 Armament, four 105-ton (Armstrong). Two 15-cm. (Armstrong). Four 12-cm., Q.F. Ten 57-mm.
 Q.F. Seventeen 37-mm., Q.F. Two light.
 Torpedoes, five fixed tubes or Launching Carriages (two submerged).

SARDEGNA (Steel). Twin Screw.

Length, 411 ft. Breadth, 76 ft. 9 in. Draught, 28 ft. 6 in.
 Displacement, 13,860 tons. Indicated H.P., 22,800. Coal, 1,200 tons.
 Launched, 1890. Cost, £1,000,000 (about). Speed, 19 knots.
 Armour, side, 4 in. (Steel). Barbette, 14½ in. compound. Deck Plating, 3 in.
 Armament, four 67-ton (Armstrong). Eight 15-cm., Q.F. Sixteen 4·7-in., Q.F. Fifteen 57-mm.
 Q.F. Ten 3·7-cm., Q.F. Two light.
 Torpedoes, five fixed tubes or Launching Carriages.

SICILIA (Steel). Twin Screw.

Length, 400 ft. Breadth, 76 ft. 9 in. Draught, 28 ft. 6 in.
 Displacement, 13,298 tons. Indicated H.P., 19,500. Coal, 1,200 tons.
 Launched, 1891. Cost, £1,000,000 (about). Speed, 18 knots.
 Armour, side, 4 in. Steel on side. Barbette, 18 in. compound. Deck Plating, 3 in.
 Armament, four 67-ton (Armstrong). Eight 15-cm., Q.F. Sixteen 12-cm., Q.F. Fifteen 57-mm.,
 Q.F. Ten 3·7-cm., Q.F. Two light.
 Torpedoes, five fixed tubes or Launching Carriages.

TURRET CLASS.**AFFONDATEORE** (Iron). One Screw.

Length, 290 ft. Breadth, 40 ft. Draught, 20 ft.
 Displacement, 4,062 tons. Indicated H.P., 3,240. Coal, 460 tons.
 Launched, 1865. Cost, £152,500 (about). Speed, 12 knots.
 Armour, belt, 5 in. Turret, 5 in. Backing, 9 in. Deck Plating, 2 in.
 Armament, two 28-ton (Armstrong). Six 12-cm., Q.F. Four 57-mm., Q.F. Four 37-mm., Q.F.
 Two light.
 Torpedoes, two Launching Carriages.

AMMIRAGLIO DI ST. BON. Twin Screw.

Length, 344 ft. 6 in. Breadth, 68 ft. 10 in. Draught, 24 ft. 8 in.
 Displacement, 9,800 tons. Indicated H.P., 13,500. Coal, 1,000 tons.
 Launched, building. Speed, 18 knots.
 Armour, belt, 9¾ to 4 in. Turret, 9¾ in. Redoubt, 4 in. Deck Plating, 3 to 1½ in.
 Armament, four 10-in. Eight 6-in., Q.F. Eight 4·7-in., Q.F. Sixteen 55-mm., Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

TURRET CLASS—*continued***DANDOLO** (Iron and Steel). Twin Screw.

Length, 340 ft. 11 in. Breadth, 64 ft. 9 in. Draught, 26 ft. 7 in.
 Displacement, 11,202 tons. Indicated H.P., 7,500. Coal, 1,000 tons.
 Launched, 1878. Cost, £700,000 (about). Speed, 15½ knots.
 Armour, belt, 21½ in. Turret, 18 in. Backing, 22¾ in. Deck Plating, 2 in.
 Armament, four 100-ton, M.L.R. (Armstrong). Three 12-cm., Q.F. Eight 57-mm., Q.F. Twenty-two 37-mm., Q.F. Two light guns.
 Torpedoes, four fixed tubes or Launching Carriages.

DUILIO (Iron and Steel). Twin Screw.

Length, 340 ft. 11 in. Breadth, 64 ft. 9 in. Draught, 26 ft. 7 in.
 Displacement, 11,138 tons. Indicated H.P., 7,710. Coal, 1,000 tons.
 Launched, 1876. Speed, 15 knots.
 Armour, belt, 21½ in. Turret, 18 in. Backing, 22¾ in. Deck Plating, 2 in.
 Armament, four 100-ton (Armstrong). Three 12-cm., Q.F. Eight 57-mm., Q.F. Twenty-two 37-mm., Q.F. Two light.
 Torpedoes, four fixed tubes or Launching Carriages.

EMANUELE FILIBERTO (Steel). Twin Screw.

Length, 344 ft. 6 in. Breadth, 68 ft. 10 in. Draught, 24 ft. 9 in.
 Displacement, 9,800 tons. Indicated H.P., 13,500. Coal, 1,000 tons.
 Launched, building. Speed, 18 knots.
 Armour, belt, 9¾ to 4 in. Turret, 9¾ in. Deck Plating, 3 to 1½ in.
 Armament, four 10-in. Eight 6-in., Q.F. Eight 47-in., Q.F. Eight 57-mm., Q.F. Twelve 37-mm., Q.F. Two Machine.
 Torpedoes, five fixed tubes, one Launching Carriage.

CENTRAL BATTERY.**PRINCIPE AMEDEO** (Wood). One Screw.

Length, 265 ft. Breadth, 57 ft. 9 in. Draught, 26 ft. 7 in.
 Displacement, 5,814 tons. Indicated H.P., 3,413. Coal, 515 tons.
 Launched, 1872. Speed, 13 knots.
 Armour, belt, 8¾ in. Battery, 6 in. Backing, 24 in.
 Armament, one 25-ton, M.L.R. (Armstrong). Six 25-cm. 13-ton, M.L.R. (Armstrong). Six Machine, six light.
 Torpedoes, two fixed tubes or Launching Carriages.

ROMA (Wood). One Screw.

Length, 262 ft. 6 in. Breadth, 58 ft. 6 in. Draught, 25 ft. 3 in.
 Displacement, 5,814 tons. Indicated H.P., 3,000. Coal, 510 tons.
 Launched, 1865. Speed, 12.5 knots.
 Armour, belt, 4½ in. Battery, 4½ in. Backing, 26 in.
 Armament, two 23-cm. Six Machine, six light.
 Torpedoes, two Launching Carriages.

ARMED CRUISER CLASS.**ANCONA** (Iron). One Screw.

Length, 256 ft. Breadth, 50 ft. Draught, 25 ft.
 Displacement, 4,460 tons. Indicated H.P., 2,548. Coal, 485 tons.
 Launched, 1864. Cost, £172,000 (about). Speed, 12 knots.
 Armour, belt, $4\frac{1}{2}$ in. Battery, $4\frac{1}{2}$ in. Backing, $13\frac{3}{4}$ in.
 Armament, six 15-cm. Six 12-cm., Q.F. Eight 57-mm., Q.F. Twelve 37-mm., Q.F. Two light.
 Torpedoes, three Launching Carriages.

CARLO ALBERTO. Twin Screw.

Length, 325 ft. Breadth, 59 ft. Draught, 23 ft. 7 in.
 Displacement, 6,500 tons. Indicated H.P., 13,000.

CASTELFIDARDO (Iron). One Screw.

Length, 256 ft. Breadth, 50 ft. Draught, 21 ft. 11 in.
 Displacement, 4,250 tons. Indicated H.P., 2,125. Coal, 480 tons.
 Launched, 1863. Speed, 12 knots.
 Armour, belt, $4\frac{1}{2}$ in. Battery, $4\frac{1}{2}$ in. Backing, $13\frac{3}{4}$ in.
 Armament, six 15-cm. Six 12-cm., Q.F. Eight 57-mm., Q.F. Twelve 37-mm., Q.F.
 Torpedoes, three Launching Carriages.

GIUSEPPE GARIBALDI. Twin Screw.

Length, 325 ft. Breadth, 59 ft. Draught, 23 ft. 7 in.
 Displacement, 6,500 tons. Indicated H.P., 13,000.
 Launched, building. Speed, 18 knots.
 Armament, two 25-cm. Ten 15-cm., Q.F. Six 12-cm., Q.F. Ten 57-mm., Q.F. Ten 37-mm., Q.F.
 Two Machine, two light.

ITALIA (Steel). Twin Screw.

Length, 400 ft. 6 in. Breadth, 74 ft. Draught, 31 ft. 2 in.
 Displacement, 15,900 tons. Indicated H.P., 18,000. Coal, 1,650 tons.
 Launched, 1880. Cost, £1,000,000 (about). Speed, 18 knots.
 Armour, funnel opening, 16 in. compound. Citadel, 19 in. compound. Backing, $22\frac{3}{4}$ in. Deck
 Plating, 3 in.
 Armament, four 100-ton (Armstrong). Eight 15-cm. 4-ton. Four 12-cm., Q.F. Twelve 57-mm., Q.F.
 Twenty-four 37-mm., Q.F. Two light.
 Torpedoes, four fixed tubes or Launching Carriages.

ARMED CRUISER CLASS—*continued.***MARCO POLO.** Twin Screw.

Length, 327 ft. Breadth, 46 ft. 6 in. Draught, 19 ft.
 Displacement, 4,390 tons. Indicated H.P., 10,000. Coal, 1,000 tons.
 Launched, 1890. Speed, 19 knots.
 Armour, sides, 4 in. Backing, 1 in.
 Armament, six 15-cm., Q.F. Ten 12-cm., Q.F. Two light.
 Torpedoes, four fixed tubes or Launching Carriages.

MARIA PIA (Iron). One Screw.

Length, 256 ft. Breadth, 49 ft. 4 in. Draught, 22 ft. 7 in.
 Displacement, 4,268 tons. Indicated H.P., 2,924. Coal, 480 tons.
 Launched, 1863. Speed, 12 knots.
 Armour, sides, 4½ in. Battery, 4½ in. Backing, 13¾ in.
 Armament, eight 15-cm. Five 12-cm., Q.F. Six 57-mm., Q.F. Eight 37-mm., Q.F. Two light.
 Torpedoes, two fixed tubes or Launching Carriages.

NINO BIXIO. Twin Screw. *To be built by Contract.*

Displacement, 6,500 tons. Indicated H.P., 14,000.

SAN MARTINO (Iron). One Screw.

Length, 256 ft. Breadth, 49 ft. 4 in. Draught, 23 ft. 7 in.
 Displacement, 4,268 tons. Indicated H.P., 2,620. Coal, 490 tons.
 Launched, 1863. Speed, 12 knots.
 Armour, sides, 4½ in. Battery, 4½ in. Backing, 14 in.
 Armament, eight 15-cm., five 12-cm., Q.F. Six 57-mm., Q.F. Eight, 37-mm., Q.F. Two light.
 Torpedoes, two fixed tubes or Launching Carriages.

VARESE. Twin Screw.

Length, 325 ft. Breadth, 59 ft. Draught, 23 ft. 7 in.
 Displacement, 6,500 tons. Indicated H.P., 13,000. Coal, 1,000 tons.
 Launched, building. Speed, 18½ knots.
 Armour, sides, 6 in. Batteries, 6 in.
 Armament, two 25-cm., ten 15-cm., Q.F. Six 12-cm., Q.F. Ten 57-mm., Q.F. Ten 37-mm., Q.F.
 Two Machine, two light.

VETTOR PISANI. Twin Screw. *Building.*

Same as *Varese.*

SECOND-CLASS CRUISERS.

ETNA, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 282 ft. Breadth, 42 ft. 7 in. Draught, 19 ft.
 Displacement, 3,530 tons. Indicated H.P., 7,480. Coal, 630 tons.
 Launched, 1885. Speed, 17¾ knots.
 Armament, two 25-cm., six 15-cm., five 57-mm., Q.F. Eight 37-mm., Q.F. One light.
 Torpedoes, four fixed tubes or Launching Carriages.

FIERAMOSCA, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 290 ft. Breadth, 43 ft. 6 in. Draught, 19 ft. 4 in.
 Displacement, 3,745 tons. Indicated H.P., 7,700. Coal, 590 tons.
 Launched, 1888. Speed, 17½ knots.
 Armament, two 25-cm. 25-ton. Six 6 in. Q.F. Five 57-mm., Q.F. Eight 37-mm., Q.F. One light.
 Torpedoes, four fixed tubes or Launching Carriages.

STROMBOLI, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 282 ft. 2 in. Breadth, 42 ft. 7 in. Draught, 19 ft.
 Displacement, 3,530 tons. Indicated H.P., 6,252. Coal, 630 tons.
 Launched, 1886. Speed, 17 knots.
 Armament, two 25-cm., six 15-cm., five 57-mm., Q.F. Eight 37-mm., Q.F. One light.
 Torpedoes, four fixed tubes or Launching Carriages.

VESUVIO, D.P.T., 1½ in. (Iron). Twin Screw.

Length, 282 ft. 2 in. Breadth, 42 ft. 7 in. Draught, 19 ft.
 Displacement, 3,530 tons. Indicated H.P., 6,820. Coal, 590 tons.
 Launched, 1886. Speed, 17 knots.
 Armament, two 25-cm., six 15-cm., five 57-mm., Q.F. Eight 37-mm., Q.F. One light.
 Torpedoes, four fixed tubes or Launching Carriages.

THIRD-CLASS CRUISERS.

AMERIGO VESPUCCI (Steel). One Screw.

Length, 255 ft. 11 in. Breadth, 42 ft. 7 in. Draught, 17 ft.
 Displacement, 2,533 tons. Indicated H.P., 3,340. Coal, 500 tons.
 Launched, 1882. Speed, 14 knots.
 Armament, six 15-cm., four 57-mm., Q.F. Six 37-mm., Q.F. Two light.
 Torpedoes, two Launching Carriages.

CALABRIA, D.P.T., 2 to 1 in. (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 39 ft. 6 in. Draught, 16 ft. 7 in.
 Displacement, 2,380 tons. Indicated H.P., 6,500. Coal, 500 tons.
 Speed, 20 knots.
 Armament, four 15-cm., Q.F. Six 15-cm., Q.F. Eight 57-mm., Q.F. Twelve 37-mm., Q.F. Two
 Machine.
 Torpedoes, three fixed tubes or Launching Carriages.

THIRD-CLASS CRUISERS—*continued.***CRISTOFORO COLOMBO**, D.P.T., 1½ in. (Steel). Twin Screw.

Length, 249 ft. Breadth, 36 ft. Draught, 17 ft. 6 in.
 Displacement, 3,466 tons. Indicated H.P., 3,800. Coal, 500 tons.
 Launched, 1892. Speed, 16 knots.
 Armament, six 15-cm., four 57-mm., Q.F. Four 37-mm., Q.F.

DOGALI, D.P.T., 2½ to 1 in. Steel. Twin Screw.

Length, 250 ft. Breadth, 37 ft. Draught, 14 ft. 6 in.
 Displacement, 2,020 tons. Indicated H.P., 7,600. Coal, 480 tons.
 Launched, 1889. Cost, £170,000 (about). Speed, 19½ knots.
 Armament, six 6-in., nine 57-mm., Q.F. Two 37-mm., Q.F. One light.
 Torpedoes, four Launching Carriages.

ELBA, D.P.T., 2 to 1 in. (Steel). Twin Screw.

Length, 272 ft. 6 in. Breadth, 40 ft. 8 in. Draught, 16 ft. 7 in.
 Displacement, 2,730 tons. Indicated H.P., 6,500. Coal, 500 tons.
 Launched, 1893. Speed, 19 knots.
 Armament, four 15-cm., Q.F. Six 12-cm., Q.F. Six 57-mm., Q.F.
 Torpedoes, four Launching Carriages.

ETRURIA, D.P.T., 2 to 1 in. (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 39 ft. 6 in. Draught, 16 ft. 7 in.
 Displacement, 2,280 tons. Indicated H.P., 7,609. Coal, 400 tons.
 Launched, 1891. Speed, 18 knots.
 Armament, four 15-cm., Q.F. Six 12-cm., Q.F. Eight 57-mm., Q.F.
 Torpedoes, two Launching Carriages.

FLAVIO GIOJA, D.P.T., 1½ in. (Steel). One Screw.

Length, 255 ft. 11 in. Breadth, 42 ft. 7 in. Draught, 17 ft.
 Displacement, 2,533 tons. Indicated H.P., 5,000. Coal, 500 tons.
 Launched, 1881. Speed, 15 knots.
 Armament, six 12-cm. Four 57-mm., Q.F. Six 37-mm., Q.F. Two light.
 Torpedoes, two fixed tubes or Launching Carriages.

GIOVANNI BAUSAN, D.P.T., 1½ in. (Iron). Twin Screw.

Length, 275 ft. 7 in. Breadth, 42 ft. 7 in. Draught, 18 ft. 4 in.
 Displacement, 3,068 tons. Indicated H.P., 6,500. Coal, 600 tons.
 Launched, 1883. Cost, £160,000. Speed, 17½ knots.
 Armament, two 25-cm. 24-ton (Armstrong). Six 15-cm. 5-ton. Four 57-mm., Q.F.
 Eight 37-mm., Q.F. One light.
 Torpedoes, three fixed tubes or Launching Carriages (one submerged).

LIGURIA, D.P.T., 2 to 1 in. (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 39 ft. 4 in. Draught, 16 ft. 9 in.
 Displacement, 2,280 tons. Indicated H.P., 6,800. Coal, about 500 tons.
 Launched, 1893. Speed, 18 knots.
 Armament, four 15-cm., Q.F. Six 12-cm., Q.F. Eight 57-mm., Q.F. Eight Machine (two Maxims).
 Torpedoes, two Launching Carriages.

THIRD CLASS CRUISERS—*continued.***LOMBARDIA**, D.P.T., 2 to 1 in. (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 39 ft. 6 in. Draught, 16 ft. 7 in.
 Displacement, 2,280 tons. Indicated H.P., 7,140. Coal, about 500 tons.
 Launched, 1890. Speed, 18 knots.
 Armament, four 15-cm., Q.F. Six 12-cm., Q.F. Eight 57-mm., Q.F.
 Torpedoes, two Launching Carriages.

PIEMONTE, D.P.T., 3 to 1 in. (Steel). Twin Screw.

Length, 300 ft. Breadth, 38 ft. Draught, 15 ft.
 Displacement, 2,500 tons. Indicated H.P., 12,000. Coal, 600 tons.
 Launched, 1888. Speed, 21 knots.
 Armament, Six 6-in., Q.F. Six $4\frac{3}{4}$ -in., Q.F. Ten 57-mm., Q.F. Six 37-mm., Q.F., one light.
 Four Machine, one light.
 Torpedoes, three fixed tubes.

UMBRIA, D.P.T., 2 to 1 in. (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 39 ft. 6 in. Draught, 16 ft. 7 in.
 Displacement, 2,280 tons. Indicated H.P., 6,500. Coal, about 500 tons.
 Launched, 1891. Speed, 19 knots.
 Armament, four 15-cm., Q.F. Six 12-cm., Q.F.
 Torpedoes, four Launching Carriages.

A NEW SHIP BUILDING (*Lombardia Class*). D.P.T., 2,500 tons.

Speed, 18 knots.

COAST DEFENCE SHIPS.—TWO BATTERIES.**PALESTRO** (Wood). One Screw.

Length, 265 ft. Breadth, 57 ft. 10 in. Draught, 26 ft. 11 in.
 Displacement, 6,419 tons. Indicated H.P., 3,496. Coal, 515 tons.
 Launched, 1873. Speed, 13 knots.
 Armour, belt, $8\frac{3}{4}$ in. Batteries, 6 in. Backing, 24 in.
 Armament, one 25-ton, M.L.R. (Armstrong). Six 25-cm. 18-ton. Six Machine, six light.
 Torpedoes, two fixed tubes or Launching Carriages.

TORPEDO GUNBOATS.**ARETUSA**, D.P.T., 1 in. (Steel). Three Screws.

Length, 230 ft. Breadth, 26 ft. 10 in. Draught, 11 ft. 9 in.
 Displacement, 846 tons. Indicated H.P., 4,420. Coal, 180 tons.
 Launched, 1891. Speed, 20½ knots.
 Armament, one 12-cm., Q.F. Six 57-mm., Q.F. Three 37-mm., Q.F.
 Torpedoes, six fixed tubes or Launching Carriages.

CALATAFIMI, D.P.T., 1 in. (Steel). Twin Screw.

Length, 229 ft. 6 in. Breadth, 27 ft. Draught, 10 ft. 2 in.
 Displacement, 840 tons. Indicated H.P., 4,000. Coal, 120 tons.
 Launched, 1893. Speed, 20 knots.
 Armament, one 12-cm., Q.F. Six 57-mm., Q.F. Three 37-mm., Q.F.
 Torpedoes, six fixed tubes or Launching Carriages.

CAPRERA, D.P.T., 1 in. (Steel). Twin Screw.

Length, 230 ft. Breadth, 26 ft. 3 in. Draught, 10 ft. 2 in.
 Displacement, 853 tons. Indicated H.P., 4,800. Coal, about 180 tons.
 Speed, 19 knots.
 Armament, one 12-cm., Q.F. Six 57-mm., Q.F. Two 37-mm., Q.F.
 Torpedoes, six Launching Carriages.

CLIO, D.P.T., 1 in. (Steel). Three Screws.

Length, 246 ft. Breadth, 25 ft. 6 in. Draught, 11 ft. 9 in.
 Displacement, 840 tons. Indicated H.P., 4,200. Coal, about 180 tons.
 Launched, 1892. Speed, 20 knots.
 Armament, six 6-pounders, Q.F. Two 3-pounders, Q.F. Three Machine.
 Torpedoes, five Launching Carriages.

CONFIENZA (Steel). Three Screws.

Length, 230 ft. Breadth, 25 ft. 6 in. Draught, 9 ft.
 Displacement, 740 tons. Indicated H.P., 1,897. Coal, 180 tons.
 Launched, 1887. Speed, 17 knots.
 Armament, one 12-cm., Q.F. Six 57-mm., Q.F. Three 37-mm., Q.F. Three Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

EURIDICE, D.P.T., 1 in. (Steel). Twin Screw.

Length, 229 ft. 6 in. Breadth, 27 ft. Draught, 10 ft. 2 in.
 Displacement, 840 tons. Indicated H.P., 4,000. Coal, 120 tons.
 Launched, 1891. Speed, 19½ knots.
 Armament, one 12-cm., Q.F. Six 57-mm., Q.F. Three 37-mm., Q.F.
 Torpedoes, six fixed tubes or Launching Carriages.

TORPEDO GUNBOATS—*continued.***FOLGORE** (Steel). Twin Screw.

Length, 187 ft. Breadth, 19 ft. 8 in. Draught, 6 ft. 6 in.
 Displacement, 317 tons. Indicated H.P., 2,400. Coal, 65 tons.
 Launched, 1886. Speed, 20 knots.
 Armament, two 6-pounders, Q.F. Two 3-pounders, Q.F. One Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

GOITO (Steel). Twin Screw.

Length, 230 ft. Breadth, 25 ft. 6 in. Draught, 11 ft. 9 in.
 Displacement, 740 tons. Indicated H.P., 2,620. Coal, 180 tons.
 Launched, 1887. Speed, 19 knots.
 Armament, six 57-mm., Q.F. Three 37-mm., Q.F.
 Torpedoes, five fixed tubes or Launching Carriages.

IRIDE, D.P.T., 1 in. (Steel). Twin Screw.

Length, 229 ft. 6 in. Breadth, 27 ft. Draught, 10 ft. 1 in.
 Displacement, 840 tons. Indicated H.P., 4,000. Coal, 120 tons.
 Launched, 1891. Speed, 19½ knots.
 Armament, one 12-cm., Q.F. Six 57-mm., Q.F. Two 37-mm., Q.F.
 Torpedoes, six Launching Carriages.

MINERVA, D.P.T., 1 in. (Steel). Three Screws.

Length, 246 ft. Breadth, 27 ft. 6 in. Draught, 11 ft. 9 in.
 Displacement, 846 tons. Indicated H.P., 4,800. Coal, 180 tons.
 Launched, 1892. Speed, 19 knots.
 Armament, one 12-cm., Q.F. Six 57-mm., Q.F. Three 37-mm., Q.F. Three Machine.
 Torpedoes, five fixed tubes or Launching Carriages.

MONTEBELLO (Steel). Three Screws.

Length, 230 ft. Breadth, 25 ft. 6 in. Draught, 11 ft. 9 in.
 Displacement, 740 tons. Indicated H.P., 2,776. Coal, 180 tons.
 Launched, 1888. Speed, 19 knots.
 Armament, Six 57-mm., Q.F. Five 37-mm., Q.F. Three Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

MONZAMBANO (Steel). Three Screws.

Indicated H.P., 1,953. Speed, 17 knots.
 Otherwise same as *Montebello*.

PARTENOPE.

Displacement, 840 tons. Indicated H.P., 4,200.
 Otherwise same as *Minerva*.

SAETTA (Steel). One Screw.

Length, 187 ft. Breadth, 19 ft. 8 in. Draught, 8 ft. 7 in.
 Displacement, 317 tons. Indicated H.P., 2,400. Coal, 90 tons.
 Launched, 1887. Speed, 20 knots.
 Armament, two 57-mm., Q.F. Four 37-mm., Q.F. Two Machine.
 Torpedoes, three fixed tubes or Launching Carriages.

TORPEDO GUNBOATS—*continued.***TERSICORE**, D.P.T., 1 in. (Steel). Three Screws.

Same as *Minerva* and *Partenope*.

TRIPOLI (Steel). Twin Screw.

Length, 230 ft. Breadth, 25 ft. 10 in. Draught, 11 ft. 9 in.

Displacement, 740 tons. Indicated H.P., 2,573. Coal, 180 tons.

Launched, 1886. Speed, 18 knots.

Armament, six 57-mm., Q.F. Five 37-mm., Q.F.

Torpedoes, five fixed tubes or Launching Carriages.

URANIA, D.P.T., 1 in. (Steel). Twin Screw.

Length, 230 ft. Breadth, 27 ft. Draught, 11 ft. 9 in.

Displacement, 846 tons. Indicated H.P., 4,000. Coal, 180 tons.

Launched, 1891. Cost, £60,000 (about). Speed, 20 knots.

Armament, one 12-in., Q.F. Six 57-mm., Q.F. Two 37-mm., Q.F.

Torpedoes, six fixed tubes or Launching Carriages.

TWO NEW SHIPS, D.P.T., (Steel). Twin Screw.

Same as *Urania*.

GUN VESSELS.**ANDREA PROVANA** (Steel). One Srew.

Length, 167 ft. 4 in. Breadth, 26 ft. 3 in. Draught, 10 ft. 2 in.

Displacement, 649 tons. Indicated H.P., 1,000. Coal, 120 tons.

Launched, 1884. Speed, 13 knots.

Armament, four 12-cm. Two Machine.

CASTORE (Steel). One Screw.

Length, 116 ft. Breadth, 36 ft. Draught, 9 ft. 6 in.

Displacement, 530 tons. Indicated H.P., 364.

Launched, 1889. Speed, 8 knots.

Armament, one 12-cm. One Machine.

CARIDDI (Wood). One Screw.

Length, 177 ft. 2 in. Breadth, 28 ft. 6 in. Draught, 12 ft. 5 in.

Displacement, 1,050 tons. Indicated H.P., 956. Coal, 164 tons.

Launched, 1875. Speed, 10 knots.

Armament, one 16-cm. Two 12-cm. Three Machine.

CURTATONE (Steel). One Screw.

Length, 177 ft. 3 in. Breadth, 32 ft. 8 in. Draught, 13 ft. 6 in.

Displacement, 1,040 tons. Indicated H.P., 1,100. Coal, 197 tons.

Launched, 1887. Speed, 12 knots.

Armament, four 12-cm., Q.F. Six Machine.

GUN VESSELS—*continued.***GOVERNOLO** (Steel). One Screw.

Length, 177 ft. 3 in. Breadth, 32 ft. 10 in. Draught, 14 ft. 4 in.
 Displacement, 1,040 tons. Indicated H.P., 1,100. Coal, 200 tons.
 Launched, 1891. Speed, 15 knots.
 Armament, six 12-cm., Q.F. Four Machine.

POLUCE (Iron). One Screw.

Length, 116 ft. Breadth, 36 ft. Draught, 9 ft. 6 in.
 Displacement, 530 tons. Indicated H.P., 370.
 Launched, 1889. Speed, 8 knots.
 Armament, one 12-cm. One Machine.

SCILLA, same as *Cariddi*.**SABASTIANO VENIERO** (Steel). One Screw.

Length, 170 ft. Breadth, 26 ft. 3 in. Draught, 10 ft. 6 in.
 Displacement, 649 tons. Indicated H.P., 1,160. Coal, 280 tons.
 Launched, 1884. Speed, 13 knots.
 Armament, four 12-cm. Two Machine.

VOLTURNO (Iron). One Screw.

Length, 177 ft. 3 in. Breadth, 32 ft. 8 in. Draught, 14 ft. 4 in.
 Displacement, 1,040 tons. Indicated H.P., 1,100. Coal, 200 tons.
 Launched, 1887. Speed, 13 knots.
 Armament, four 12-cm. Four Machine.

DESPATCH VESSELS.**AGOSTINO BARBARIGO** (Steel). One Screw.

Length, 216 ft. 6 in. Breadth, 23 ft. 11 in. Draught, 10 ft. 10 in.
 Displacement, 656 tons. Indicated H.P., 1,700. Coal, 210 tons.
 Launched, 1879. Speed, 15½ knots.
 Armament, five 57-mm., Q.F. Two Machine.

ARCHIMEDE (Steel). One Screw.

Length, 230 ft. Breadth, 26 ft. 3 in. Draught, 10 ft.
 Displacement, 770 tons. Indicated H.P., 1,700. Coal, 210 tons.
 Launched, 1887. Speed, 16 knots.
 Armament, four 12-cm. Four Machine.
 Torpedoes, two Launching Carriages.

GALILEO (Steel). One Screw.

Length, 230 ft. Breadth, 26 ft. 3 in. Draught, 8 ft. 2 in.
 Displacement, 770 tons. Indicated H.P., 1,700. Coal, 210 tons.
 Launched, 1887. Speed, 15 knots.
 Armament, four 12-cm. Four Machine.
 Torpedoes, two Launching Carriages.

DESPATCH VESSELS—*continued.***MARCANTONIO COLONNA** (Steel). One Screw.

Length, 216 ft. 6 in. Breadth, 23 ft. 11 in. Draught, 10 ft. 10 in.
 Displacement, 656 tons. Indicated H.P., 1,700. Speed, $15\frac{1}{4}$ knots.
 Launched, 1879. Coal, 200 tons.
 Armament, five 57-mm., Q.F. Two Machine.

RAPIDO (Iron). One Screw.

Length, 262 ft. 5 in. Breadth, 30 ft. 6 in. Draught, 12 ft. 6 in.
 Displacement, 1,568 tons. Indicated H.P., 1,920. Speed, $13\frac{1}{2}$ knots.
 Launched, 1876. Coal, 300 tons.
 Armament, five 57-mm., Q.F. Two Machine.

STAFFETTA (Iron). One Screw.

Length, 252 ft. 7 in. Breadth, 30 ft. 10 in. Draught, 13 ft. 2 in.
 Displacement, 1,505 tons. Indicated H.P., 1,800. Speed, $13\frac{1}{2}$ knots.
 Launched, 1876. Coal, 300 tons.
 Armament, four 12-cm. Two Machine, one light.
 Torpedoes, one Launching Carriage.

VEDETTA (Iron) One Screw.

Length, 183 ft. 9 in. Breadth, 26 ft. 11 in. Draught, 11 ft. 5 in.
 Displacement, 827 tons. Indicated H.P., 670. Speed, $10\frac{1}{2}$ knots.
 Launched, 1866. Coal, 140 tons.
 Armament, four 12-cm. Four Machine, one light.

CRUISER USED AS ROYAL YACHT.
SAVOIA, D.P.T., $1\frac{1}{2}$ in. (Steel). One Screw.

Length, 275 ft. 6 in. Breadth, 42 ft. 7 in. Draught, 17 ft.
 Displacement, 2,850 tons. Indicated H.P., 5,000. Speed, 15 knots.
 Launched, 1883. Coal, 500 tons.
 Armament, six 57-mm., Q.F. Six 37-mm., Q.F.
 Torpedoes, two Launching Carriages.

GUNBOATS.
GUARDIANO AND SENTINELLA of 265 tons.

Indicated H.P., 250, and six small gunboats of 87 tons, and 52 H.P.

MESSAGGEIRO of 1,020 tons, and 15 knots speed (Paddle Despatch).

Eight large Auxiliary List of 14 and 18 knots speed.
 Three fitted with torpedo launching apparatus, and armed with two 12-cm., or two 57-mm., Q.F., and four 3-pounders, Q.F., and seven Machine.

ITALIAN TORPEDO BOATS.

FIRST CLASS.

Boats.	NAME OR NUMBER.	Displacement.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
*5	Boats	130	2,200	152·0	17·2	7·9	22·6	24	3	1888	40	Elbing.
20	56 to 75	65	1,000	127·7	15·6	6·8	22·5	17	2	1885-87	17	Elbing and Italy.
2	76, 77	100	1,600	140·0	14·0	5·0	25·0	20	5	1887	30	Poplar.
2	78, 79	110	1,600	135·0	14·0	5·3	24·0	20	5	1887	30	Venice.
4	80 to 83	34	430	101·6	12·6	5·6	21·0	11	2	1888	7	Genoa.
27	84 to 104. 106 to 111	85	1,000	127·7	15·6	6·8	22·5	17	2	1887-88	7	Elbing and Italy.
24	112 to 135	85	1,000 1,200	127·7	15·6	6·8	23·0	17	2	1889-92	17	„
11	136 to 146	85	1,000	12·7	15·6	6·8	22·5	17	2	1893-94	17	Italy.
8	Boats	85	2,200	152·0	17·2	7·9	26·5	17	2	Building	17	„

SECOND CLASS.

1	22	40	620	100·0	12·5	5·5	22·0	11	2	1888	10	Poplar.
2	23, 24	33	470	92·0	10·5	4·9	21·8	11	2	1881	7	Chiswick.
1	25	40	620	100·0	12·5	5·5	22·0	11	2	1881	10	Poplar.
30	26 to 55	34	430	100·0	11·7	5·3	21·3	11	2	1882-86	7	Chiswick and Italy.

THIRD CLASS.

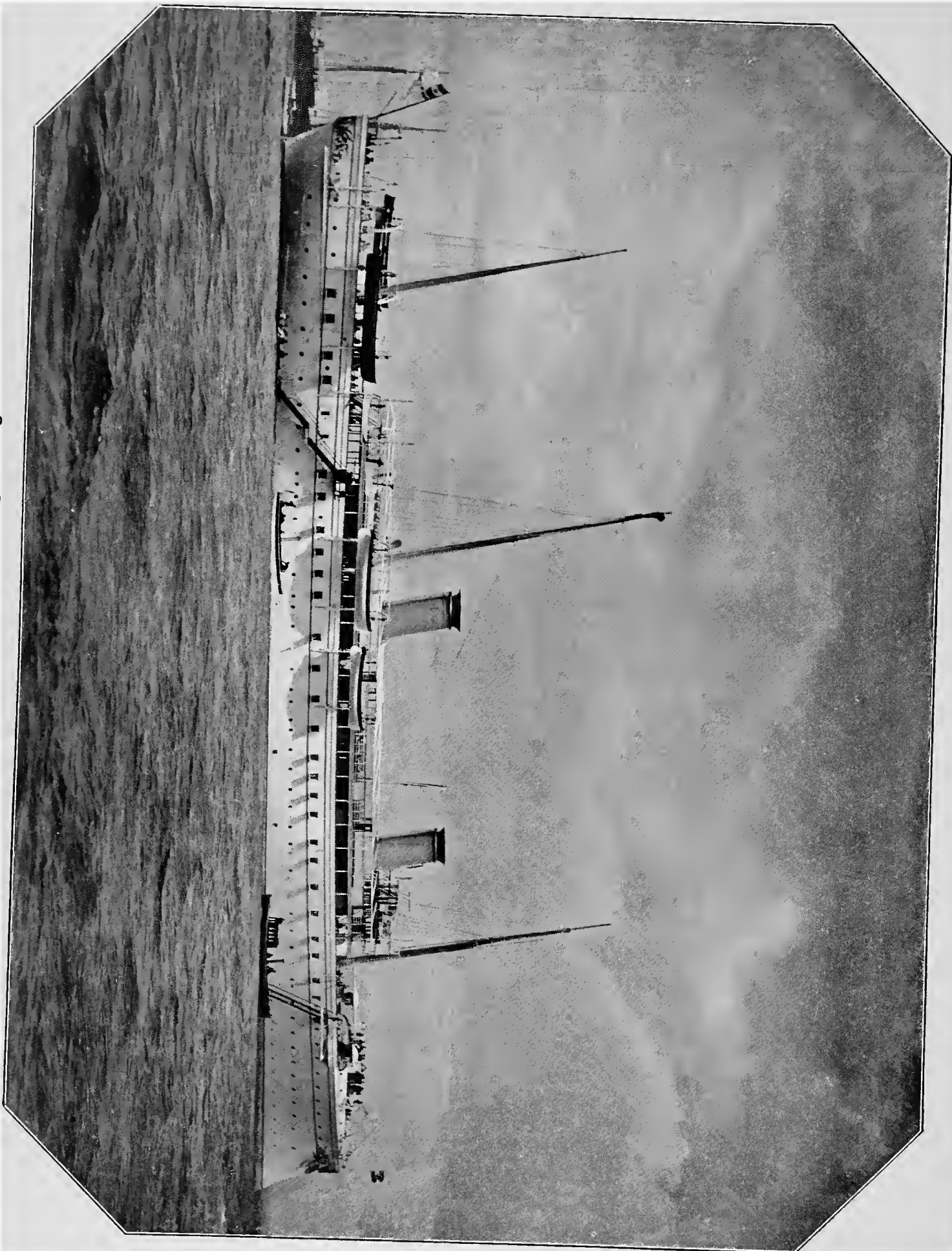
1	Veloce	18	220	76·0	10·0	3·5	18·0	10	2	1887	5	Chiswick.
2	1, 2	25	420	86·0	11·0	4·5	21·0	10	...	1879	7	Poplar.
14	3 to 10. 16 to 21 ...	13	170	63·0	7·5	2·5	16 to 17	10	2	1883	2	Chiswick.
1	11	31	250	90·0	10·2	4·5	16·0	10	...	1883	7	...
4	12 to 15	16	250	66·0	7·6	3·8	19·0	10	2	1883	4	Chiswick.

SUBMARINE.

†1	Pullino	1893
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* Aquila, Avvoltajo, Falco, Nibbio and Sparviero.

† Particulars not obtainable.



German Royal Yacht, "HOHENZOLLERN."

GERMAN NAVY.

ARMOURED SHIPS.

BARBETTE CLASS.

BADEN (Iron). Twin Screw. 2nd Class.

Length, 298 ft. Breadth, 60 ft. Draught, 19 ft. 8 in.
 Displacement, 7,400 tons. Indicated H.P., 5,600. Coal, 700 tons.
 Launched, 1880. Cost £444,886 (about). Speed, 14 knots.
 Armour, belt, 16 in. Barbette, 10 in. Backing, 8 in.
 Armament, six 26-cm., 18-ton Krupp. Four 10½-cm., Q.F. Six Machine, two light.
 Torpedoes, four fixed tubes or Launching Carriages.

BAYERN (Iron). Twin Screw. 2nd Class.

Length, 298 ft. Breadth, 60 ft. Draught, 19 ft. 8 in.
 Displacement, 7,400 tons. Indicated H.P., 5,600. Coal, 700 tons.
 Launched, 1878. Cost, £406,660 (about). Speed, 14 knots.
 Armour, belt 16 in. Barbette, 10 in. Backing, 8 in. Deck Plating, 2 in.
 Armament, six 26-cm., 18-ton Krupp. Four 10½-cm., Q.F. Six Machine, two light.
 Torpedoes, four fixed tubes or Launching Carriages.

BRANDENBURG. Twin Screw. 1st Class.

Length, 354 ft. 4 in. Breadth, 64 ft. Draught, 24 ft. 7 in.
 Displacement, 9,842 tons. Indicated H.P., 9,640. Coal, 800 tons.
 Launched, 1891. Cost £520,000 (about). Speed, 16½ knots.
 Armour, belt, 15¾ to 11¾ in. compound. Barbette, 11¾ in. compound. Backing, 8 in. Deck Plating,
 2½ in.
 Armament, six 28-cm., six 10½-cm., Q.F. Eight 8·7-cm., Q.F. Eight Machine.
 Torpedoes, seven fixed tubes or Launching Carriages.

BEOWULF (Steel). Twin Screw. Coast Defence Barbette Ship.

Length, 240 ft. Breadth, 49 ft. 3 in. Draught, 17 ft. 9 in.
 Displacement, 3,500 tons. Indicated H.P., 4,800.
 Launched, 1890. Cost, £175,000 (about). Speed, 15 knots.
 Armour, belt, 9½ in. Barbette, 8 in. Deck Plating, 2 in.
 Armament, three 24-cm., 19-ton. Six 8·7 cm., Q.F.
 Torpedoes, four fixed tubes or Launching Carriages.

BARBETTE CLASS—*continued.***FRITHJOF** (Steel). Twin Screw. Coast Defence Barbette Ship.

Launched, 1891. Cost, £175,000 (about). Speed, 15½ knots.
Otherwise same as *Beowulf*.

HAGEN (Steel). Twin Screw. Coast Defence Barbette Ship.

Launched, 1893. Cost, £170,000 (about). Speed, 15½ knots.
Otherwise same as *Beowulf*.

HEIMDAL (Steel). Twin Screw. Coast Defence Barbette Ship.

Launched, 1892. Cost, £233,500 (about). Speed, 15½ knots.
Armament, three 24-cm., 19-ton Krupp. Six 8¾-cm., Q.F.
Otherwise same as *Beowulf*.

KURFÜRST FRIEDRICH WILHELM (Steel). Twin Screw. 1st Class.

Length, 354 ft. 4 in. Breadth, 64 ft. Draught, 24 ft. 7 in.
Displacement, 9,842 tons. Indicated H.P., 9,500. Coal, 800 tons.
Launched, 1891. Cost, £520,000 (about). Speed, 15 knots.
Armour, belt, 15¾ to 11¾ in. compound. Barbette, 11¾ in. compound. Backing, 8 in. Deck Plating, 2½ in.
Armament, six 28-cm., six 10½-cm., Q.F. Eight 8·7-cm., Q.F. Eight Machine.
Torpedoes, seven fixed tubes or Launching Carriages.

OLDENBURG (Steel). Twin Screw. 2nd Class.

Length, 246 ft. Breadth, 59 ft. Draught, 19 ft. 6 in.
Displacement, 5,200 tons. Indicated H.P., 3,900. Coal, 250 tons.
Launched, 1884. Cost, £235,342 (about). Speed, 13½ knots.
Armour, belt, 13 in. compound. Barbette, 8 in. compound. Deck Plating, 1½ in.
Armament, eight 24-cm., 18-ton Krupp. Two 8¾-cm., Q.F. Six Machine.
Torpedoes, four fixed tubes or Launching Carriages.

SACHSEN (Iron). Twin Screw. 2nd Class.

Length, 298 ft. Breadth, 60 ft. Draught, 19 ft. 8 in.
Displacement, 7,400 tons. Indicated H.P., 5,600. Coal, 700 tons.
Launched, 1877. Cost, £422,180 (about). Speed, 13½ knots.
Armour, belt, 16 in. Barbette, 10 in. Backing, 8 in. Deck Plating, 2 in.
Armament, six 26-cm., 18-ton Krupp. Four 10½-cm., Q.F. Six Machine, two light.
Torpedoes, four fixed tubes or Launching Carriages.

WEISSENBURG (Steel). Twin Screw. 1st Class.

Length, 354 ft. Breadth, 64 ft. Draught, 24 ft. 7 in.
Displacement, 9,842 tons. Indicated H.P., 9,500. Coal, 800 tons.
Launched, 1891. Cost, £619,500 (about). Speed, 16 knots.
Armour, belt, 15¾ to 10¾ in. compound. Barbette, 11¾ in. compound. Backing, 8 in. Deck Plating, 2½ in.
Armament, six 28-cm., six 10½-cm., Q.F. Eight 8·7-cm., Q.F. Eight Machine.
Torpedoes, seven fixed tubes or Launching Carriages.

BARBETTE CLASS--*continued.***NEW SHIP** (Steel). Twin Screw.

Cost, £234,000 (about). Speed, 16 knots.
Otherwise same as *Heimdal*.

NEW SHIP (Steel). Twin Screw.

Cost, £234,000 (about). Speed, 16 knots.
Otherwise same as *Heimdal*.

HILDEBRAND (Steel). Twin Screw.

Launched, 1892. Cost, £218,000 (about). Speed, 16 knots.
Otherwise same as *Heimdal*.

SIEGFRIED (Steel). Twin Screw.

Launched, 1889. Cost, £176,000 (about). Speed, 15 knots.
Otherwise same as *Beowulf*.

WERTH (Steel). Twin Screw. 1st Class.

Length, 354 ft. Breadth, 64 ft. Draught, 24 ft. 7 in.
Displacement, 9,842 tons. Indicated H.P., 9,500. Coal, 800 tons.
Launched, 1892. Cost, £620,000 (about). Speed, 16 knots.
Armour, belt 15 $\frac{3}{4}$ to 11 $\frac{3}{4}$ in. compound. Barbette, 11 $\frac{3}{4}$ in. compound. Backing, 8 in. Deck Plating, 2 $\frac{1}{2}$ in.
Armament, six 28-cm., six 10 $\frac{1}{2}$ -cm., Q.F. Eight 8.7-cm., Q.F. Eight Machine.
Torpedoes, four fixed tubes or Launching Carriages.

WURTEMBERG (Iron). Twin Screw. 2nd Class.

Length, 298 ft. Breadth, 60 ft. Draught, 19 ft. 8 in.
Displacement, 7,400 tons. Indicated H.P., 5,600. Coal, 700 tons.
Launched, 1878. Cost, £402,500 (about). Speed, 14 knots.
Armour, belt, 16 in. Barbette, 10 in. Backing, 8 in. Deck Plating, 2 in.
Armament, six 26-cm. 18-ton Krupp. Four 10 $\frac{1}{2}$ -cm., Q.F. Six Machine, two light.
Torpedoes, four fixed tubes or Launching Carriages.

CENTRAL BATTERY SHIPS.**DEUTSCHLAND** (Iron). 2nd Class. One Screw.

Length, 280 ft. Breadth, 62 ft. 4 in. Draught, 24 ft. 7 in.
Displacement, 7,676 tons. Indicated H.P., 8,000. Coal, 710 tons.
Launched, 1874. Cost, £412,000 (about). Speed, 14 $\frac{1}{2}$ knots.
Armament, eight 26-cm. 22-ton. One 21-cm. 13-ton. Seven 15-cm. 4-ton. Six Machine, four light.
Armour, citadel, 10 in. Breastwork, 8 in. Backing, 10 in. Deck Plating, 2 in.
Torpedoes, five fixed tubes or Launching Carriages.

KAISER (Iron). 2nd Class. One Screw.

Launched, 1874. Cost, £411,300 (about). Indicated H.P., 7,803. Speed, 14 $\frac{1}{2}$ knots.
Otherwise same as *Deutschland*.

TWO NEW SHIPS.



German Battle Ship "WERTH."

(See page 225.)

TURRET SHIPS.**FRIEDRICH DER GROSSE** (Iron). 3rd Class. One Screw.

Length, 307 ft. Breadth, 53 ft. 6 in. Draught, 24 ft. 7 in.
 Displacement, 6,770 tons. Indicated H.P., 4,930. Coal, 550 tons.
 Launched, 1874. Cost, £365,170 (about). Speed, 14 knots.
 Armour, belt, $9\frac{1}{4}$ in. Breastwork, 8 in. Turret, 10 in. Backing, $8\frac{1}{2}$ in.
 Armament, four 26-cm. 18-ton Krupp. Two 17-cm. 6-ton. Ten 8·7-cm., Q.F. Six Machine, two light.
 Torpedoes, four fixed tubes or Launching Carriages.

PREUSSEN (Iron). 3rd Class. One Screw.

Length, 307 ft. 6 in. Breadth, 53 ft. 6 in. Draught, 24 ft. 7 in.
 Displacement, 6,770 tons. Indicated H.P., 4,383. Coal, 550 tons.
 Launched, 1873. Cost, £351,900 (about). Speed, 14 knots.
 Otherwise same as *Friedrich der Grosse*.

BROADSIDE SHIP.**KÖNIG WILHELM** (Iron). 3rd Class. One Screw.

Length, 355 ft. Breadth, 60 ft. Draught, 26 ft. 7 in.
 Displacement, 9,757 tons. Indicated H.P., 8,350. Coal, 700 tons.
 Launched, 1868. Cost, £505,140 (about). Speed, $14\frac{3}{4}$ knots.
 Armour, belt, 8 in. Breastwork, 7 in. Backing, 10 in.
 Armament, eighteen 24-cm. $14\frac{1}{2}$ -ton. Five 21-cm. 13-ton. Six 15-cm. 4-ton. Six Machine, four light.
 Torpedoes, five fixed tubes or Launching Carriages.

ARMED GUNBOATS.**BASILISK** (Iron). Twin Screw.

Length, 143 ft. Breadth, 35 ft. 6 in. Draught, 10 ft. 2 in.
Displacement, 1,109 tons. Indicated H.P., 700. Coal, 50 tons.
Launched, 1878. Cost, £58,050 (about). Speed 9 knots.
Armament, one 30½-cm. 35-ton. Two Machine.
Armour, belt, 8 in. Turret, 8 in. Backing, 8 in. Deck Plating, 2 in.
Torpedoes, one fixed tube.

BIENE (Iron). Twin Screw.

Launched, 1876. Cost, £62,800 (about). Speed, 10 knots.
Otherwise same as *Basilisk*.

CAMELEON (Iron). Twin Screw.

Launched, 1876. Cost, £57,560 (about). Speed, 10 knots.
Otherwise same as *Basilisk*.

CROCODIL (Iron). Twin Screw.

Launched, 1879. Cost, £57,240 (about). Speed, 10 knots.
Otherwise same as *Basilisk*.

HUMMEL (Iron). One Screw.

Launched, 1881. Cost, £56,740 (about). Speed, 10 knots.
Otherwise same as *Basilisk*.

MÜCKE (Iron). Twin Screw.

Launched, 1877. Cost, £60,950 (about). Speed, 10½ knots.
Otherwise same as *Basilisk*.

NATTER (Iron). Twin Screw.

Launched, 1880. Cost, £52,820 (about). Speed, 10 knots.
Otherwise same as *Basilisk*.

SALAMANDER (Iron). Twin Screw.

Launched, 1880. Cost, £56,910 (about). Speed, 10½ knots.
Otherwise same as *Basilisk*.

SKORPION (Iron). Twin Screw.

Launched, 1877. Cost, £60,800 (about). Speed, 10 knots.
Otherwise same as *Basilisk*.

VIPER (Iron). Twin Screw.

Launched, 1876. Cost, £61,460 (about). Speed, 10 knots.
Otherwise same as *Basilisk*.

WESPE (Iron). Twin Screw.

Launched, 1876. Cost, £53,770 (about). Speed, 10 knots.
Otherwise same as *Basilisk*.

UNARMOURED SHIPS.

.....

FIRST-CLASS CRUISER.

KAISERIN AUGUSTA, D.P.T., 3 in. (Steel). Three Screws.

Length, 393 ft. Breadth, 49 ft. 3 in. Draught, 23 ft.

Displacement, 6,052 tons. Indicated H.P., 12,000.

Launched, 1892. Speed, 20½ knots.

Armament, twelve long 15-cm. Eight 8·7-cm., Q.F.

Torpedoes, five fixed tubes or Launching Carriages.

SECOND-CLASS CRUISERS.

IRENE, D.P.T., 3 in. (Steel). Twin Screw.

Length, 339 ft. 6 in. Breadth, 46 ft. Draught, 21 ft.

Displacement, 4,400 tons. Indicated H.P., 8,000. Coal, 900 tons.

Launched, 1887. Cost, £220,000 (about). Speed, 19½ knots.

Armament, six 15-cm. 4-ton. Eight 15-cm. 3½-ton. Eight Machine.

Torpedoes, four fixed tubes or Launching Carriages.

PRINZESS WILHELM, D.P.T., 3 in. (Steel). Twin Screw.

Same as *Irene*.

Speed, 18½ knots.

THIRD-CLASS CRUISERS.

ALEXANDRINE (Iron, Steel and Wood). One Screw.

Length, 236 ft. 3 in. Breadth, 42 ft. 7 in. Draught, 18 ft. 4 in.

Displacement, 2,373 tons. Indicated H.P., 2,400.

Launched, 1885. Cost, £102,877 (about). Speed, 15 knots.

Armament, twelve 15-cm. 4-ton. Two 8·7-cm., Q.F. Four Machine, one light.

Torpedoes, one fixed tube or Launching Carriage.

ARCONA, same as *Alexandrine*.

Cost, £109,875.

BLITZ (Iron, Wood and Steel). Twin Screw.

Length, 246 feet. Breadth, 32 ft. 10 in. Draught, 13 ft. 5 in.

Displacement, 1,382 tons. Indicated H.P., 2,839.

Launched, 1882. Cost, £66,935 (about). Speed, 16 knots.

Armament, five 8·7-cm. 9-cwt. Four Machine.

Torpedoes, one fixed tube or Launching Carriage.

THIRD-CLASS CRUISERS—*continued.***BUZZARD** (Steel). Twin Screw.

Length, 256 ft. Breadth, 30 ft. 2 in. Draught, 13 ft.
 Displacement, 1,580 tons. Indicated H.P., 2,800.
 Launched, 1890. Cost, £620,000 (about). Speed, 16½ knots.
 Armament, eight 10½-cm., Q.F. Four Machine.

CAROLA (Iron and Wood). One Screw.

Length, 226 ft. 4 in. Breadth, 42 ft. 7 in. Draught, 18 ft. 4 in.
 Displacement, 2,169 tons. Indicated H.P., 2,340.
 Launched, 1880. Cost, £109,617 (about). Speed, 14 knots.
 Armament, eight 15-cm. 3½-ton. Four 8·7-cm. Four Machine.

FALKE (Iron and Wood). Twin Screw.

Length, 246 ft. Breadth, 33 ft. 6 in. Draught, 15 ft.
 Displacement, 1,600 tons. Indicated H.P., 1,600.
 Launched, 1891. Speed, 15½ knots.
 Armament, eight 10½-cm., Q.F. Four Machine.
 Torpedoes, two Launching Carriages.

FREYA (Composite). One Screw.

Length, 259 ft. 2 in. Breadth, 35 ft. Draught, 17 ft. 4 in.
 Displacement, 2,017 tons. Indicated H.P., 2,471.
 Launched, 1874. Cost, £106,868 (about). Speed, 15 knots.
 Armament, eight 15-cm. Four Machine, one light.

F. Building.

Cost £113,250.

GEFION, D.P.T., 3 in. (Steel). Twin Screw.

Length, 344 ft. 6 in. Breadth, 48 ft. 8 in. Draught, 22 ft.
 Displacement, 5,000 tons. Indicated H.P., 9,800.
 Launched, 1893. Cost, £300,000 (about). Speed, 20 knots.
 Armament, six 15-cm., Q.F. Six light.
 Torpedoes, six fixed tubes or Launching Carriages.

GREIF (Steel). Twin Screw.

Length, 318 ft. Breadth, 32 ft. Draught, 13 ft.
 Displacement, 2,000 tons. Indicated H.P., 5,400.
 Launched, 1886. Cost, £250,000 (about). Speed, 21½ knots.
 Armament, two 10½-cm. 23-cwt. Ten Machine.

JAGD, D.P.T. (Steel). Twin Screw.

Length, 275 ft. 6 in. Breadth, 31 ft. 6 in. Draught, 13 ft. 9 in.
 Displacement, 1,240 tons. Indicated H.P., 4,000.
 Launched, 1888. Cost, £120,000 (about). Speed, 20 knots.
 Armament, four 10½-cm. 23-cwt. Ten Machine.

THIRD-CLASS CRUISERS—*continued.***KONDOR** (Steel and Wood). Twin Screw.

Length, 246 ft. Breadth, 33 ft. 6 in. Draught, 15 ft.
Displacement, 1,640 tons. Indicated H.P., 2,800.
Launched, 1892. Cost, £100,000 (about). Speed, 16½ knots.
Armament, eight 10½-cm. Four Machine.
Torpedoes, two Launching Carriages.

KORMORAN (Steel and Wood). Twin Screw.

Same as *Kondor*.

MARIE (Iron and Wood). One Screw.

Length, 226 ft. 4 in. Breadth, 42 ft. 7 in. Draught, 18 ft. 4 in.
Displacement, 2,100 tons. Indicated H.P., 2,257.
Launched, 1881. Speed, 13½ knots.
Armament, eight 15-cm. 3½-ton. Two 8·7-cm. Four Machine.
Torpedoes, one fixed tube or Launching Carriage.

NIXE.

Launched, 1885. Speed, 10½ knots.

OLGA (Iron and Wood, Sheathed). One Screw.

Length, 226 ft. 4 in. Breadth, 42 ft. 7 in. Draught, 18 ft. 4 in.
Displacement, 2,100 tons. Indicated H.P., 2,397.
Launched, 1880. Cost, £113,812 (about). Speed, 14 knots.
Armament, eight 15-cm. 3½-ton. Two 8·7-cm. Four Machine.

PFEIL (Steel). Twin Screw.

Length, 246 ft. Breadth, 32 ft. 10 in. Draught, 13 ft. 5 in.
Displacement, 1,382 tons. Indicated H.P., 2,700.
Launched, 1882. Cost, £73,000 (about). Speed, 16 knots.
Armament, four 8·7-cm. Four Machine.
Torpedoes, one fixed tube.

SEE-ADLER (Steel and Wood). Twin Screw.

Same as *Kormoran*.

SOPHIE (Iron and Wood). One Screw.

Length, 226 ft. 4 in. Breadth, 42 ft. 7 in. Draught, 18 ft. 4 in.
Displacement, 2,100 tons. Indicated H.P., 2,100.
Launched, 1892. Cost, £117,155 (about). Speed, 14 knots.
Armament, eight 15-cm. 3½ ton. Two 8·7-cm. Four Machine.

WACHT (Steel). Twin Screw.

Length, 275 ft. 6 in. Breadth, 31 ft. 6 in. Draught, 13 ft. 9 in.
Displacement, 1,240 tons. Indicated H.P., 4,000.
Launched, 1887. Cost, £75,000 (about). Speed, 19½ knots.
Armament, four 10½-cm. 23-cwt. Ten Machine.

FOURTH-CLASS CRUISERS.**SCHWALBE** (Composite). Twin Screw.

Length, 203 ft. Breadth, 30 ft. 6 in. Draught, 12 ft. 4 in.
 Displacement, 1,120 tons. Indicated H.P., 1,500.
 Launched, 1887. Speed, 13½ knots.
 Armament, eight 10½-cm., Krupp. Four Machine.

SPERBER (Composite). Twin Screw.

Length, 236 ft. Breadth, 29 ft. 8 in. Draught, 12 ft. 6 in.
 Displacement, 1,120 tons. Indicated H.P., 1,500.
 Launched, 1888. Speed, 13½ knots.
 Armament, eight 10½-c.m., Krupp. Four Machine.

TORPEDO CRUISER.**BLÜCHER** (Iron and Wood). One Screw. Torpedo School.

Length, 244 ft. 4 in. Breadth, 44 ft. 10 in. Draught, 19 ft. 8 in.
 Displacement, 2,856 tons. Indicated H.P., 2,990.
 Launched, 1877. Cost, £136,408 (about). Speed, 14 knots.
 Armament, sixteen 15-cm. Six Machine, two light.
 Torpedoes, six fixed tubes or Launching Carriages.

DYNAMITE CRUISER.**NEW.** (Steel). Twin Screw. (*Building.*)

Speed, 22 knots.
 Armament, Dynamite Guns.

GUN VESSELS.**HABICHT** (Composite). One Screw.

Length, 174 ft. Breadth, 29 ft. 6 in. Draught, 11 ft. 5 in.
 Displacement, 848 tons. Indicated H.P., 875.
 Launched, 1879. Cost £33,054 (about). Speed, 12 knots.
 Armament, one 15-cm., four 12-cm., four 8·7-cm., Q.F.

MOWE (Composite). One Screw.

Length, 174 ft. Breadth, 29 ft. 6 in. Draught, 11 ft. 5 in.
 Displacement, 848 tons. Indicated H.P., 784.
 Launched, 1879. Cost, £33,390 (about). Speed, 12 knots.
 Armament, one 15-cm., four 12-cm., four 8·7-cm., Q.F.

TORPEDO GUNBOATS.**KOMET** (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 31 ft. 2 in. Draught, 13 ft. 9 in.
 Displacement, 946 tons. Indicated H.P., 5,000.
 Launched, 1892. Speed, 21 knots.
 Armament, four 8 $\frac{3}{4}$ -cm., Q.F. Nine small Q.F., and Machine.
 Torpedoes, one Launching Carriage.

Two Torpedo Gunboats (Steel). Twin Screw.

Length, 215 ft.
 Displacement, 380 tons. Indicated H.P., 4,000.
 Launched, 1891. Speed, 25 knots.
 Armament, six Q.F.
 Torpedoes, three Launching Carriages. One under-water Torpedo Discharge.

Two Torpedo Gunboats (Steel). Twin Screws.

Length, 213 ft.
 Displacement, 350 tons. Indicated H.P., 4,000.
 Launched, 1890. Speed, 25 knots.
 Armament, six Q.F.
 Torpedoes, three Launching Carriages.

Two Torpedo Gunboats (Steel). Twin Screws.

Length, 190 ft. Breadth, 23 ft. Draught, 9 ft. 6 in.
 Displacement, 320 tons. Indicated H.P., 3,600.
 Launched, 1889. Speed, 21 knots.
 Armament, six Machine.
 Torpedoes, three Launching Carriages.

TORPEDO GUNBOATS—*continued.***Two Torpedo Gunboats (Steel). Twin Screws.**

Length, 184 ft. Breadth, 21 ft. 8 in. Draught, 9 ft. 6 in.
 Displacement, 300 tons. Indicated H.P., 2,500.
 Launched, 1888. Speed, 21 knots.
 Armament, six Machine.
 Torpedoes, three Launching Carriages.

TORPEDO RAM.**BREMSE, D.P.T., 2½ in. (Steel). Twin Screw.**

Length, 203 ft. 5 in. Breadth, 27 ft. 10 in. Draught, 10 ft. 6 in.
 Displacement, 866 tons. Indicated H.P., 1,500. Coal, 65 tons.
 Launched, 1884. Cost, £49,308 (about). Speed, 15 knots.
 Armament, one 21-cm. 9-ton.

BRUMMER, D.P.T., 2½ in. (Steel). Twin Screw.

Length, 203 ft. 5 in. Breadth, 27 ft. 10 in. Draught, 10 ft. 6 in.
 Displacement, 866 tons. Indicated H.P., 1,500. Coal, 65 tons.
 Launched, 1884. Cost, £52,422 (about). Speed, 15 knots.
 Armament, one 21-cm. 9-ton.

DESPATCH VESSEL.**H. (Steel). Twin Screw.**

Length, 262 ft. 6 in. Breadth, 31 ft. 2 in. Draught, 13 ft. 9 in.
 Displacement, 979 tons. Indicated H.P., 5,000.
 Launched, building. Cost, £113,350 (about). Speed, 20½ knots.
 Armament, four 8¾-cm., Q.F. Nine smaller Q.F. Four Machine.
 Torpedoes, one Launching Carriage.

METEOR (Steel). Twin Screw.

Length, 262 ft. 6 in. Breadth, 29 ft. 6 in. Draught, 11 ft. 6 in.
 Displacement, 946 tons. Indicated H.P., 4,500.
 Launched, 1890. Speed, 20½ knots.
 Armament, four 8¾-cm. Seven Q.F. Two Machine.
 Torpedoes, one Launching Carriage.

ZIETEN (Iron). One Screw.

Length, 196 ft. 10 in. Breadth, 29 ft. 6 in. Draught, 11 ft. 6 in.
 Displacement, 975 tons. Indicated H.P., 2,323. Coal, 140 tons.
 Launched, 1876. Cost, £81,755 (about). Speed, 16 knots.
 Armament, four 12-cm. 27-cwt. Four Machine.

GUNBOATS.**HYÄNE** (Iron). One Screw.

Length, 139 ft. 8 in. Breadth, 25 ft. 8 in. Draught, 9 ft. 10 in.
Displacement, 489 tons. Indicated H.P., 340.
Launched, 1878. Cost, £24,340 (about). Speed, 9 knots.
Armament, two 10½-cm. Two light.

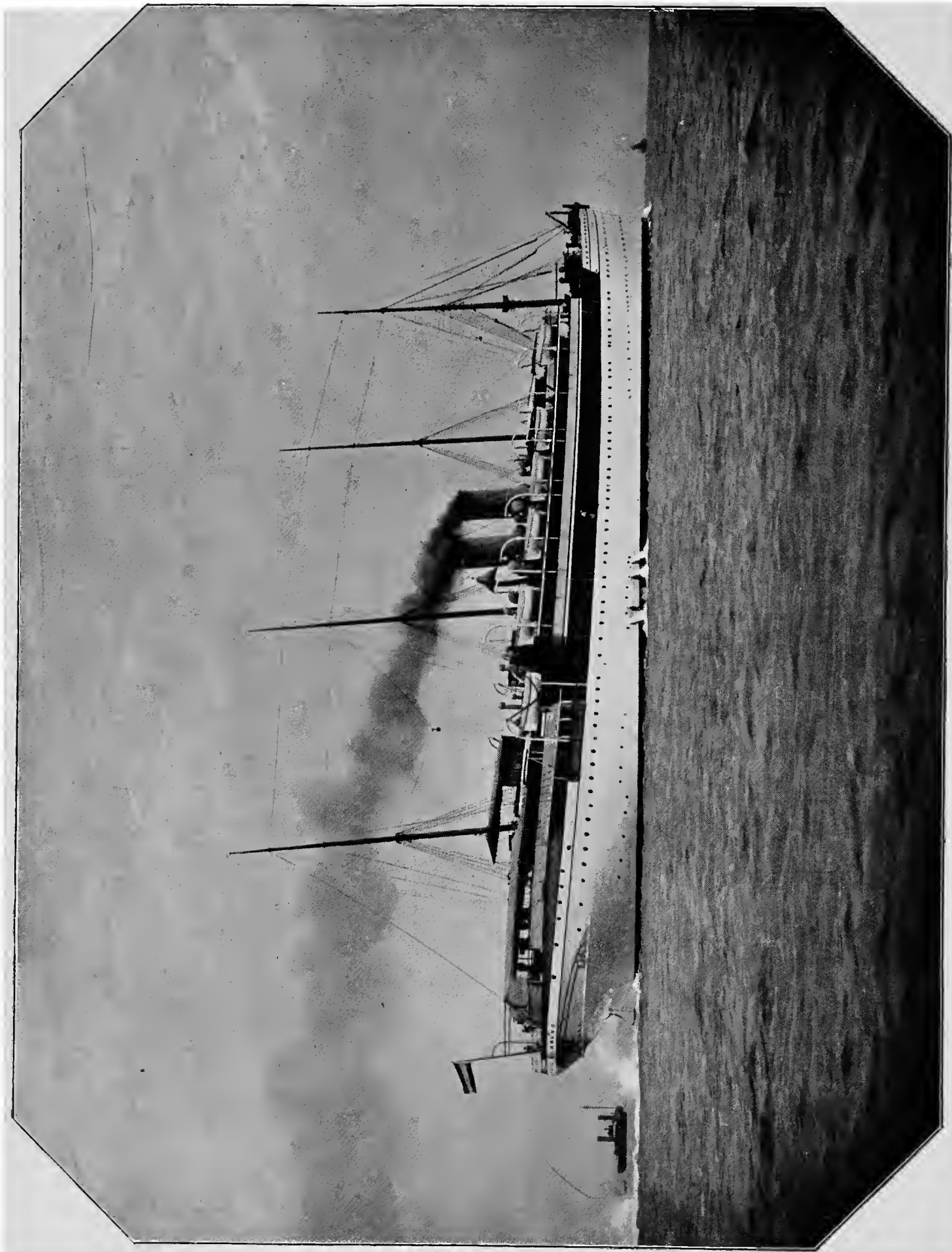
ILTIS (Iron). One Screw.

Length, 139 ft. 8 in. Breadth, 25 ft. 1 in. Draught, 9 ft. 10 in.
Displacement, 489 tons. Indicated H.P., 380.
Launched, 1878. Cost, £27,480 (about). Speed, 9 knots.
Armament, two 10½-cm. Two light.

WOLF (Iron). One Screw.

Length, 139 ft. 8 in. Breadth, 25 ft. 1 in. Draught, 9 ft. 10 in.
Displacement, 489 tons. Indicated H.P., 340.
Launched, 1878. Cost, £24,343 (about). Speed, 9 knots.
Armament, two 10½-cm. 23-cwt. Two light.

The Charlotte, Leipzig, Gneisenau, Moltke, Stein and Stosch used as School Ships.



"KAISER WILHELM."

The above S.S., one of the largest of the North German Lloyd Fleet of Steamers, was selected to represent that Company at the Opening Ceremony of the Baltic Canal at Kiel, 1895.

GERMAN AUXILIARY CRUISERS.

N A M E.	Length.	Breadth.	Draught.	Displace- ment.	Indicated H.P.	Ocean Speed.	Built.	Owners.	Armament.
KAISER WILHELM ...	Ft. in. ...	Ft. in. ...	Ft. in. ...	Tons. ...	...	Knots. ...	...	...	...
FÜRST BISMARCK ...	502 0	50 10	23 3	10,500	16,400	19½	1891	H. A. S. S. Co.	Eight 15-cm. Four 12½-cm.
NORMANNIA ...	498 9	57 6	22 3	10,500	16,250	19	1890	Do.	Two 8·8-cm., Q.F. Two 5·7- [cm., Q.F.]
COLUMBIA ...	462 6	56 0	19 8	9,500	13,680	19	1889	Do.	Fourteen Machine.
AUGUSTA VICTORIA ...	459 3	56 0	23 0	9,500	12,280	18	1889	Do.	Do.
SPREE ...	462 6	51 10	22 0	8,900	12,770	19	1890	N. G. L.	Do.
HAVEL ...	462 6	51 10	22 3	8,900	12,770	19	1890	Do.	Do.
LAHN ...	449 6	49 0	22 0	7,700	9,500	18½	1887	Do.	Do.

GERMAN TORPEDO BOATS.

* FIRST CLASS.

Boats.	NAMES	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
DIVISION BOATS.												
2	D 1. D 2	250	1,800	185.3	21.6	9.8	21	48	3	1887	50	Elbing.
2	D 3. D 4	300	2,000	188.0	22.0	9.8	21	48	3	1888	90	„
2	D 5. D 6	320	3,500	190.0	23.4	10.6	23	48	3	1888-89	90	„
2	D 7. D 8	350	4,000	213.0	23.6	10.9	26	48	3	1890	100	„
2	D 9. D 10... ..	380	4,200	215.0	23.9	10.11	26	48	3	1891	100	„
64	S 1 to 64	85 to 88	1,000	{128.0 {121.2	15.7 15.6	6.7 6.7	19 to 22	16	2	1883-90	17	„
10	65 to 74	110	1,500	144.3	16.4	7.3	24	20	3	1891-92	20	„
5	76 to 80	125	2,500	144.3	16.4	7.3	25	25	3	1891-92	20	„
16	81 to 96	110-50	Various	Various	Various	Various	26	20 to 12	various	1893-94	Various	„
8	Boats	140	1,500	144.3	18.0	8.4	22	27	3	1893-94	30	„
1	75	145	3,000	150.0	16.0	8.0	26	27	3	1894	30	„
2	V 1. V 2	75	550	124.6	15.7	6.6	19	17	2	1884	20	Stettin.
2	V 3. V 4	90	1,000	131.0	14.6	6.9	19	17	2	1884	22	„
6	V 5. V 10... ..	90	1,000	131.0	14.6	6.9	19	17	2	1884	22	„
1	G 1	88	1,000	124.6	15.7	6.6	19	17	2	1885	22	Gaarden.
1	Y 1	65	650	120.0	12.5	5.5	19	15	2	1884	25	Poplar.
2	T 1. T 2	80	1,000	117.7	12.5	6.2	20.2	15	2	1884	22	Chiswick, &c.
1	H 1	80	1,000	117.7	12.5	6.2	20	15	2	1886	22	Kiel.
1	K 1	85	1,000	118.1	13.4	5.9	22	18	...	1887	22	Kiel (Dockyard).

SECOND CLASS.

4	W 3 to W 6	45	400	103.0	11.6	5.3	18.5	14	2	1884	13	Bremen.
3	Boats	88	1,000	124.6	15.7	6.6	22	14	2	1893	13	„
2	Boats	90	1,300	131.0	14.6	6.9	23	14	2	1893	13	„

VEDETTE.

13	Boats	13½	200	63.3	8.5	3.5	18	5	2	Various	- 1	...
2	Boats	13	150	63.0	8.5	3.5	16	5	2	...	1	...
1	Boat	12	50	63.0	8.0	4.3	15.5	5	2	1884	1	Chiswick.

* These Boats appear in Alphabetical List.

NETHERLANDS NAVY.

ARMoured SHIPS.

TURRET AND BARBETTE CLASS.

KONINGIN WILHELMINA DER NIEDERLANDEN (Steel, Copper Sheathed).
Twin Screw.

Length, 328 ft. Breadth, 49 ft. 3 in. Draught, 19 ft. 8 in.
Displacement, 4,600 tons. Indicated H.P., 5,900. Coal, 450 tons.
Launched, 1892. Speed, 17 knots.
Armour, turret and barbette, 11 in. Deck Plating, 3 in.
Armament, one 28-cm. One 21-cm. Two 17-cm. Two 7.5-cm. Four 75-mm., Q.F. Six 37-mm.,
Q.F. Six Machine.
Torpedoes, three fixed tubes or Launching Carriages.

REINIER CLAESZEN (Steel). Twin Screw.

Length, 229 ft. 7 in. Breadth, 44 ft. 3 in. Draught, 15 ft.
Displacement, 2,490 tons. Indicated H.P., 2,400. Coal, 160 tons.
Launched, 1891. Speed, 16 knots.
Armour, belt, 4 $\frac{3}{4}$ in. composite. Turret and barbette, 11 in. Deck Plating, 3 in.
Armament, one 21-cm. (Krupp). One 17-cm. (Krupp). One 7.5-cm. (Krupp). Three 3-pounders,
Q.F. Three Machine.
Torpedoes, two fixed tubes or Launching Carriages.

ARMoured GUNBOAT CLASS.

ISALA (Iron). Twin Screw.

Length, 150 ft. 11 in. Breadth, 24 ft. 11 in. Draught, 4 ft. 3 in.
Displacement, 367 tons. Indicated H.P., 306. Coal, 27 tons.
Launched, 1876. Speed, 7 knots.
Armour, belt, 4 in. Battery, 5 in. Backing, 5 in. Deck Plating, $\frac{5}{8}$ in.
Armament, two 12-cm. (Krupp), and small.

ARMoured GUNBOAT CLASS—continued.
MERVA (Iron). Twin Screw.

Length, 150 ft. Breadth, 24 ft. 11 in. Draught, 4 ft. 3 in.
 Displacement, 367 tons. Indicated H.P., 395. Coal, 27 tons.
 Launched, 1879. Speed, 7 knots.
 Armour, belt, 4 in. Battery, 5 in. Backing, 5 in. Deck Plating, $\frac{5}{8}$ in.
 Armament, two 12-cm. (Krupp).

MOSA (Iron). Twin Screw.

Same as *Merva*.
 Indicated H.P., 400. Launched, 1878.

RHENUS (Iron). Twin Screw.

Same as *Merva*.
 Indicated H.P., 310. Launched, 1877.

VAHALIS (Iron). Twin Screw.

Length, 120 ft. 5 in. Breadth, 27 ft. 6 in. Draught, 5 ft. 3 in.
 Displacement, 340 tons. Indicated H.P., 243. Coal, 25 tons.
 Launched, 1870. Speed, 6 knots.
 Armour, belt, $4\frac{1}{2}$ in. Backing, 7 in. Deck Plating, $\frac{5}{8}$ in.
 Armament, two 3-pounders, Q.F.

RAMS.
THREE NEW SHIPS (Steel). Twin Screw.

Length, 283 ft. Breadth, 47 ft. Draught, 16 ft. 9 in.
 Displacement, 3,400 tons. Indicated H.P., about 7,000. Speed, 20 knots.
 Armour, belt, 6 in. Battery, $9\frac{1}{2}$ in. Deck Plating, $2\frac{1}{2}$ in.
 Armament, three 21-cm. Two 15-cm. Six 75-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, three fixed tubes or Launching Carriages.

COAST DEFENCE TURRET SHIPS.
BLOEDHOND (Iron). Twin Screw.

Length, 180 ft. Breadth, 46 ft. 3 in. Draught, 9 ft. 6 in.
 Displacement, 1,530 tons. Indicated H.P., 680. Coal, 91 tons.
 Launched, 1869. Speed, $8\frac{1}{2}$ knots.
 Armour, belt, $5\frac{1}{2}$ in. Turret, 8 in. Backing, $9\frac{3}{4}$ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two
 Machine.

COAST DEFENCE TURRET SHIPS—*continued.***BUFFEL** (Iron). Twin Screw.

Length, 195 ft. 6 in. Breadth, 45 ft. Draught, 15 ft. 6 in.
 Displacement, 2,198 tons. Indicated H.P., 2,000. Coal, 150 tons.
 Launched, 1868. Speed, $12\frac{1}{4}$ knots.
 Armour, belt, 6 in. Turret, 8 in. Backing, $9\frac{3}{4}$ in. Deck Plating, 1 in.
 Armament, one 28-cm. 28-ton (Krupp). Two 75-mm. (Krupp). Four 3-pounders, Q.F. Two Machine.

CERBERUS (Iron). Twin Screw.

Length, 180 ft. Breadth, 44 ft. Draught, 9 ft. 7 in.
 Displacement, 1,530 tons. Indicated H.P., 617. Coal, 90 tons.
 Launched, 1869. Speed, 7 knots.
 Armour, belt, $5\frac{1}{2}$ in. Turret, 8 in. Backing, $9\frac{3}{4}$ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

DRAAK (Iron). Twin Screw.

Length, 201 ft. 5 in. Breadth, 49 ft. 3 in. Draught, 10 ft. 10 in.
 Displacement, 2,156 tons. Indicated H.P., 807. Coal, 100 tons.
 Launched, 1877. Speed, 8 knots.
 Armour, belt, 8 in. Turret, 9 in. Backing, $11\frac{3}{4}$ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

EVERTSEN (Steel). Twin Screw.

Length, 283 ft. Breadth, 47 ft. Draught, 16 ft. 9 in.
 Displacement, 3,400 tons. Indicated H.P., 10,000. Coal, 500 tons.
 Launched, 1894. Speed, 20 knots.
 Armour, belt, 6 in. Turret, $9\frac{1}{2}$ in. Deck Plating, $2\frac{1}{2}$ in.
 Armament, three 21-cm. Two 15-cm. Six 75-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, three fixed tubes or Launching Carriages.

GUINEA (Iron). Twin Screw.

Length, 195 ft. 6 in. Breadth, 40 ft. Draught, 16 ft. 9 in.
 Displacement, 2,378 tons. Indicated H.P., 2,000. Coal, 135 tons.
 Launched, 1870. Speed, 12 knots.
 Armour, belt, 6 in. Turret, 8 in. Backing, $9\frac{3}{4}$ in. Deck Plating, 1 in.
 Armament, one 28-cm. 28-ton (Krupp). Two 75-mm. (Krupp). Four 3-pounders, Q.F. Two Machine.

HAAI (Iron). Twin Screw.

Length, 186 ft. 4 in. Breadth, 44 ft. Draught, 10 ft. 2 in.
 Displacement, 1,566 tons. Indicated H.P., 672. Coal, 70 tons.
 Launched, 1871. Speed, 8 knots.
 Armour, belt, $7\frac{1}{2}$ in. Turret, 8 in. Conning Tower, $5\frac{1}{2}$ in. Backing, $9\frac{3}{4}$ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

COAST DEFENCE TURRET SHIPS—*continued.***HEILIGERLEE** (Iron). Twin Screw.

Length, 180 ft. Breadth, 43 ft. 7 in. Draught, 9 ft. 6 in.
 Displacement, 1,530 tons. Indicated H.P., 630. Coal, 90 tons.
 Launched, 1868. Speed, 8 knots.
 Armour, belt, $5\frac{1}{2}$ in. Turret, 8 in. Conning Tower, $4\frac{1}{2}$ in. Backing, $9\frac{3}{4}$ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine

HIJENA (Iron). Twin Screw.

Length, 186 ft. 4 in. Breadth, 44 ft. Draught, 10 ft. 2 in.
 Displacement, 1,566 tons. Indicated H.P., 654. Coal, 70 tons.
 Launched, 1871. Speed, 7 knots.
 Armour, belt, $5\frac{1}{2}$ in. Turret, 8 in. Conning Tower, $5\frac{1}{2}$ in. Backing, $9\frac{3}{4}$ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

KORTSNAER (Steel). Twin Screw.

Length, 283 ft. Breadth, 47 ft. Draught, 16 ft. 9 in.
 Displacement, 3,400 tons. Indicated H.P., 10,000 (about). Coal, 500 tons.
 Launched, 1894. Speed, 20 knots.
 Armour, belt, 6 in. Turret, $9\frac{1}{2}$ in. Deck Plating, $2\frac{1}{2}$ in.
 Armament, three 21-cm. Two 15-cm. Six 75-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, three fixed tubes or Launching Carriages.

KROKODIL (Iron). Twin Screw.

Length, 180 ft. Breadth, 43 ft. 7 in. Draught, 9 ft. 6 in.
 Displacement, 1,530 tons. Indicated H.P., 630. Coal, 90 tons.
 Launched, 1868. Speed, 8 knots.
 Armour, belt, $5\frac{1}{2}$ in. Turret, 8 in. Conning Tower, $4\frac{1}{2}$ in. Backing, $9\frac{3}{4}$ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

LUIPAARD (Iron). Twin Screw.

Length, 186 ft. 4 in. Breadth, 44 ft. Draught, 9 ft. 2 in.
 Displacement, 1,525 tons. Indicated H.P., 680. Coal, 70 tons.
 Launched, 1876. Speed, 8 knots.
 Armour, belt, $5\frac{1}{2}$ in. Turret, 8 in. Conning Tower, $5\frac{1}{2}$ in. Backing, $9\frac{3}{4}$ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

MATADOR (Iron). Twin Screw.

Length, 201 ft. 5 in. Breadth, 49 ft. 3 in. Draught, 10 ft. 2 in.
 Displacement, 1,935 tons. Indicated H.P., 691. Coal, 100 tons.
 Launched, 1878. Speed, 7 knots.
 Armour, belt, $5\frac{1}{2}$ in. Turret, 9 in. Backing, $9\frac{3}{4}$ in.
 Armament, two 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

COAST DEFENCE TURRET SHIPS—*continued.***PANTER** (Iron). Twin Screw.

Length, 186 ft. 4 in. Breadth, 44 ft. Draught, 10 ft. 2 in.
 Displacement, 1,566 tons. Indicated H.P., 660. Coal, 70 tons.
 Launched, 1870. Speed, 7 knots.
 Armour, belt, 5½ in. Turret, 8 in. Conning Tower, 5½ in. Backing, 9¾ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

PIET-HEIN (Steel). Twin Screw.

Length, 283 ft. Breadth, 47 ft. Draught, 16 ft. 9 in.
 Displacement, 3,400 tons. Indicated H.P., about 10,000. Coal, about 500 tons.
 Launched, 1895. Speed, 20 knots.
 Armour, belt, 6 in. Turret, 9½ in. Deck Plating, 2½ in.
 Armament, three 21-cm. Two 15-cm. Six 75-mm., Q.F. Four 37-mm., Q.F.
 Torpedoes, three fixed tubes or Launching Carriages.

SCHORPIOEN (Iron). Twin Screw.

Length, 193 ft. 3 in. Breadth, 38 ft. Draught, 15 ft. 10 in.
 Displacement, 2,175 tons. Indicated H.P., 2,225. Coal, 200 tons.
 Launched, 1868. Speed, 12 knots.
 Armour, belt, 6 in. Turret, 8 in. Protected Tower, 4½ in. Backing, 11½ in.
 Armament, one 28-cm. 28-ton. (Krupp). Two 75-mm. (Krupp). Five 3-pounders, Q.F. Two Machine.

STIER (Iron). Twin Screw.

Length, 194 ft. 10 in. Breadth, 38 ft. Draught, 15 ft. 6 in.
 Displacement, 2,069 tons. Indicated H.P., 2,257. Coal, 160 tons.
 Launched, 1868. Speed, 12½ knots.
 Armour, belt, 6 in. Turret, 8 in. Protected Tower, 4½ in. Backing, 9¾ in.
 Armament, one 28-cm. 28-ton (Krupp). Two 75-mm. (Krupp). Five 3-pounders, Q.F. Two Machine.

TIJGER (Iron). Twin Screw.

Length, 187 ft. Breadth, 44 ft. Draught, 8 ft. 10 in.
 Displacement, 1,414 tons. Indicated H.P., 684. Coal, 70 tons.
 Launched, 1868. Speed, 8 knots.
 Armour, belt, 5½ in. Turret, 8 in. Conning Tower, 4½ in. Backing, 9¾ in.
 Armament, one 28-cm. 28 ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

WESP (Iron). Twin Screw.

Length, 186 ft. 4 in. Breadth, 44 ft. Draught, 10 ft. 2 in.
 Displacement, 1,566 tons. Indicated H.P., 744. Coal, 70 tons.
 Launched, 1871. Speed, 8 knots.
 Armour, belt, 5½ in. Turret, 8 in. Conning Tower, 5½ in. Backing, 9¾ in.
 Armament, one 28-cm. 28-ton (Krupp). One 75-mm. (Krupp). Two 3-pounders, Q.F. Two Machine.

TURRET SHIPS.**KONING DER NEDERLANDEN** (Iron). Twin Screw.

Length, 269 ft. Breadth, 49 ft. 3 in. Draught, 20 ft.

Displacement, 5,400 tons. Indicated H.P., 4,500. Coal, 620 tons.

Launched, 1874. Speed, 11 knots.

Armour, belt, 8 in. Turret, 2 in. Conning Tower, 8 in. Backing, $11\frac{3}{4}$ in. Deck Plating, 3 in.

Armament, four 28-cm. 25-ton, M.L.R. (Armstrong). Four 12-cm. (Krupp). Two 75-mm. (Krupp)

Four 37-mm., Q.F. Six Machine.

PRINZ HENDRIK DER NEDERLANDEN (Iron). One Screw.

Length, 229 ft. 7 in. Breadth, 42 ft. 7 in. Draught, 18 ft. 1 in.

Displacement, 3,875 tons. Indicated H.P., 2,000. Coal, 350 tons.

Launched, 1866. Speed, 12 knots.

Armour, belt, $4\frac{1}{2}$ in. Turret, $5\frac{1}{2}$ in. Backing, $9\frac{3}{4}$ in. Deck Plating, $\frac{5}{8}$ in.

Armament, two 23-cm. 13 ton, M.L.R. (Armstrong). Four 12-cm. (Krupp). Two 75-mm., (Krupp).

Four 37-mm., Q.F. Six Machine.

NETHERLANDS—UNARMoured SHIPS.

Class.	NAMES.	Material.	Propellers.	Displacement.	Indicated H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armament.	Torpedoes.
<i>c.v.</i>	Alkmaar ...	Composite	1	1,010 tons.	732	ft. in. 154 3	ft. in. 30 2	ft. in. 15 9	1874	knots. 10.0	130 tons.	1 15-cm. (Krupp), 6 12-cm. do., 1 75-mm. do., 2 37-mm. Q.F., 2 M.	...
<i>s.v.</i>	Aruba ...	Composite	1	778	413	147 7	29 6	12 5	1873	9.0	100	1 15-cm. M.L.R. (Armstrong), 2 12-cm. (Krupp), 1 75-mm. do., 2 37-mm. Q.F., 2 M.	...
<i>c.v.</i> 1st class	Atjeh ...	Iron (Zinc sheathed)	1	3,565	2,700	262 5	39 4	20 7	1876	14.5	380	6 17-cm. 6-ton, 8 12-cm. (Krupp), 2 75-mm., 8 3-pdrs. Q.F., 6 M.	...
<i>s.v.</i>	Bali ...	Iron (Zinc sheathed)	1	853	466	147 7	29 6	11 10	1878	9.5	100	1 15-cm., 3 12-cm. do. (Krupp), 1 75-mm., 2 37-mm. Q.F. ...	...
"	Banda ...	Composite	1	645	198	137 10	27 7	11 10	1872	9.0	80	1 16-cm. M.L.R., 2 12-cm. (Krupp) ...	...
"	Bandjermassin ...	Composite	1	654	370	137 10	28 10	11 10	1874	9.5	85	1 18-cm. 7-ton M.L.R. (Armstrong), 2 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F.	...
"	Batavia ...	Iron & wood	1	853	405	147 7	29 6	11 10	1876	9.0	100	1 18-cm. 7-ton M.L.R. (Armstrong), 2 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F.	...
"	Benkoelen ...	Iron & wood	1	853	516	147 7	29 6	11 10	1879	9.6	100	1 15-cm., 3 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F. ...	...
"	Bonaire ...	Iron & wood	1	853	412	147 7	29 6	11 10	1877	9.0	100	1 15-cm., 2 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F., 2 M.	...
"	Borneo ...	Steel & wood	1	829	1,040	177 2	33 10	12 6	1892	13.0	200	6 10½-cm., 6 Q.F. ...	...
"	Brines ...	Steel & wood	1	829	1,040	177 2	33 10	12 6	1892	13.0	200	6 10½-cm., 6 Q.F. ...	...
"	Ceram ...	Steel	1	550	650	157 4	25 4	10 6	1887	11.0	60	3 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F. ...	...
"	Condor ...	Composite	1	320	300	126 0	21 0	10 0	1885	10.0	25	2 2¼-in., 2 6-pdrs. Q.F. ...	...

NETHERLANDS—UNARMoured SHIPS—continued.

Class.	NAMES.	Material.	Propellers.	Displacement.	Indicated H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armament.	Torpedoes.
<i>cr.</i> 1st class	De Ruyter ...	Iron (Zinc sheathed)	1	3,480 tons.	3,305	262 5	39 4	20 7	1880	knots, 14.5	tuns. 380	6 17-cm. 6-ton, 8 12-cm. (Krupp), 2 75-mm., 8 3-pdrs. Q.F., 6 M.	...
<i>sc.z.</i>	Flamingo ...	...	1	400	485	...	...	...	1891	11.35	60	...	...
"	Flores ...	Steel	1	550	650	157 0	25 6	10 6	1887	11.0	60	3 12-cm. 2-ton, 1 75-mm., 2 37-mm. Q.F.	...
"	Haik ...	Composite	1	350	300	125 0	20 0	10 0	1878	8.5	60	2 2½-in. Q.F., 2 6-pdrs. do.	...
"	Java ...	Iron & wood	1	1,298	1,055	197 0	31 3	12 3	1885	10.6	125	1 6-in., 3 4¼-in., 1 75-mm., 2 37-mm. Q.F.	...
<i>cr.</i> 1st class	Johan Willem Friso	Iron (Zinc sheathed)	1	3,710	3,000	262 5	39 4	20 7	1886	14.5	380	6 17-cm. 6-ton (Krupp), 8 12-cm., 2 75-mm., 8 3-pdrs. Q.F., 6 M.	...
<i>cr.</i> 1st class	Koningin Emma der Nederlanden ...	Iron Zinc sheathed)	1	3,565	2,732	262 5	39 4	20 7	1879	14.6	380	6 17-cm. 6-ton, 8 12-cm. (Krupp), 2 75-mm., 8 3-pdrs. Q.F., 6 M.	2 1. car.
<i>sc.z.</i>	Lombok ...	Steel	1	596	950	158 0	26 3	10 5	1890	12.5	150	3 4.7-in. Q.F., 1 3-in. do., 2 3-pdrs. do.	...
"	Macassar ...	Iron & wood	1	853	394	147 7	29 6	11 10	1876	9.0	100	1 18-cm. 7-ton M.L.R. (Armstrong), 2 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F.	...
"	Madura ...	Iron & wood	1	853	559	147 7	29 6	11 10	1880	9.7	100	1 15-cm., 3 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F.	...
"	Padang ...	Iron & wood	1	853	409	147 7	29 6	11 10	1878	9.4	100	1 15-cm., 3 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F.	...
"	Pelikaan ...	Steel	1	400	485	158 0	26 3	10 5	1891	11.35	100	3 4.7-in. Q.F., 1 3-in. do., 2 3-pdrs. Q.F.	...
"	Pontianak ...	Composite	1	654	360	147 7	29 6	11 10	1873	8.5	85	1 18-cm. 7-ton M.L.R. (Armstrong), 2 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F.	...

NETHERLANDS—UNARMoured SHIPS.—continued.

Class	NAMES.	Material.	Propellers.	Displacement.	Indicated H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armament.	Torpedoes.
<i>g.v.</i>	Samarang ...	Iron & wood	1	tons. 853	460	ft. in. 147 7	ft. in. 29 6	ft. in. 11 10	1876	knots. 9.0	tons. 100	1 18-cm. 7-ton M.L.R. (Armstrong), 2 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F.	...
"	Sambas ...	Composite	1	654	374	137 10	28 10	11 10	1874	8.5	85	1 18-cm. 7-ton M.L.R. (Armstrong), 2 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F.	...
<i>s.l.</i>	Sommelsdijk ...	Iron & wood	1	1,013	722	147 7	31 2	11 9	1882	10.0	95	1 15-cm., 3 12-cm. (Krupp), 1 75-mm., 2 37-mm. Q.F., 2 M.	...
<i>cr.</i>	Sumatra, P., 1½ in. ...	Steel	2	1,700	3,750	216 6	36 9	14 0	1891	17.0	170	1 21-cm., 1 15-cm., 2 12-cm., 6 3-pdrs. Q.F., 2 M.	2 f. tu. or 1. car.
<i>to g.b.</i>	New Ships (4)	Steel	2	450	...	...	...	...	Bldg.	22.0	100	2 75-mm. Q.F., 4 5-cm. do.	1 f. tu. or 1. car.
<i>g.v.</i>	Sumbawa ...	Steel	1	600	950	158 0	26 3	10 5	1891	12.5	135	3 4.7-in. Q.F., 1 6-pdr. do., 2 3-pdrs. do.	...
"	New ...	Steel	1	600	850	158 0	26 3	10 5	Bldg.	12.5	135	6 light guns ...	...
"	Suriname ...	Steel	1	853	440	147 7	29 6	11 10	1877	9.0	95	1 15-cm. (Krupp), 3 12-cm., 1 75-mm., 2 37-mm. Q.F., 2 M.	...
<i>cr.</i> 1st class	Tromp ...	Steel	1	3,565	2,772	262 5	39 4	20 7	1877	14.3	380	6 17-cm. 6-ton, 8 12-cm. (Krupp), 2 75-mm., 8 3-pdrs. Q.F., 6 M.	...
<i>corv.</i>	Van Galen ...	Wood	1	2,160	833	193 6	41 6	18 2	1872	10.0	400	10 12-cm. (Krupp), 2 75-mm., 2 37-mm. Q.F.	...
<i>cr.</i> 1st class	Van Speyk ...	Iron (Zinc sheathed)	1	3,575	2,891	262 5	39 4	20 7	1882	14.2	380	6 17-cm. 6-ton, 8 12-cm. (Krupp), 2 75-mm., 8 3-pdrs. Q.F., 6 M.	...
<i>g.v.</i>	Zwalur ...	Composite	1	340	320	123 0	21 0	10 0	1882	10.5	95	2 3-in., 2 2-in.	...

Sixteen Gunboats of about 250 tons, from 100 to 200 Ind. H.P.
 Fourteen small Gunboats of 190 tons, and from 120 to 180 Ind. H.P.

One Steel Gunboat of 180 tons, and 170 Ind. H.P.
 Fourteen new Gunboats of two different types, for Home Service, to be built.

NETHERLANDS TORPEDO BOATS.

FIRST CLASS.

Boats.	NAME OR NUMBER.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	Ardjoeno	83	800	125.0	13.0	6.9	21	16	2	1886	10	Poplar.
1	Batok	83	725	125.0	13.0	6.9	20	16	2	1887	10	Amsterdam.
1	Cycloop	83	680	125.0	13.0	6.9	20	16	2	1887	10	„
1	Dempo	83	760	125.0	13.0	6.9	20	16	2	1887	10	„
1	Empong	91	1,100	128.0	13.0	6.3	24	16	3	1888	15	Poplar.
1	Etna	45	550	100.0	12.0	5.5	21.5	16	2	1882	7	„
1	Foka	90	1,000	128.0	13.0	6.2	22	16	3	1888	10	Amsterdam.
1	Goentoer	90	950	128.0	13.0	6.2	21	16	3	1888	10	„
1	Habaug	90	930	128.0	13.0	6.2	21.5	16	3	1888	10	„
1	Hekla	45	550	100.0	12.0	5.5	21.5	16	2	1882	7	Poplar.
1	Idjeu	90	840	128.0	13.0	6.2	20.5	16	3	1889	10	Amsterdam.
1	Krakatau	90	750	128.0	13.0	6.2	19	16	3	1889	10	„
1	Lamongan	50	800	104.5	13.3	5.2	20.5	16	2	1890	8	„
1	Makjan	50	800	104.5	13.3	5.2	20.5	16	2	1890	8	„
1	Nobo	50	800	104.5	13.3	5.2	20.5	16	2	1890	8	„

SECOND CLASS.

19	1, 2, 4 to 20	29	250	Various	Various	Various	18	11	2	1878-86	3	Chiswick, &c.
3	3, 21, 22	37	460	83.6	10.5	5.1	17.9	12	1	1890	5	
1	Boat... ..	10	60	45.5	9.7	3.9	12	5	1	1883	1	East Cowes.

INDIAN FLEET.

1	Cerberus	83	910	125.0	13.0	6.9	21	16	2	1888	10	
*1	Boat... ..	...	...	...	...	...	...	...	...	1891	...	
3	Boats	83	910	125.0	13.0	6.9	21.5	16	2	1893-94	10	

* Particulars not obtainable.

AUSTRIAN NAVY—ARMoured SHIPS.

Class.	Propellers.	NAMES.	Length.	Breadth.	Draught.	Displacement.	Belt.	Battery or Turret.	Deck Plating	Armament.	Date of Launch.	Cost.	Speed.	Ind. H.P.	Coal Capacity.	Constructed of
			ft. in.	ft. in.	ft. in.	tons.	in.	in.	in.	Guns.		£	knots		tons.	
<i>c.b.</i>	1	Custoza ...	302 3	58 0	24 6	7,060	9	7	8 $\frac{1}{4}$	8 26-cm. 22-ton (Krupp), 6 9-cm. (Uchatius), 11 m., 2 l.	1872	414,400	14	4,440	580	Iron
<i>c.b.</i>	1	Don Juan de Austria	240 3	50 0	20 0	3,550	8	6	9 $\frac{1}{2}$	8 21-cm. 10-ton (Krupp), 6 9-cm. (Uchatius) 11 m., 2 l.	1875	...	13	2,700	580	Iron
<i>c.b.</i>	1	Kaiser ...	254 0	58 3	24 3	5,810	6	5 $\frac{1}{2}$	31	10 9 in. 12-ton (Armstrong) m.l.k., 6 9-cm. (Uchatius), 11 m., 2 l.	1871	337,200	13	3,200	450	Wood
<i>c.b.</i>	1	Kaiser Max ...	240 3	50 0	20 0	3,566	8	6	9 $\frac{1}{2}$	8 21-cm. 10-ton (Krupp), 4 9-cm. (Uchatius), 11 m., 2 l.	1875	211,600	13	2,700	380	Iron
<i>c.b.</i>	1	Prinz Eugen ...	240 6	50 0	20 0	3,566	8	6	9 $\frac{1}{2}$	Same as <i>Kaiser Max</i> ...	1877	...	13	2,700	380	Iron
<i>c.b.</i>	2	Tegethoff ...	286 11	71 1	24 10	7,390	14	14	9 $\frac{1}{2}$	6 24-cm. (Krupp), 5 15-cm. q.f., 13 smaller q.f.	1878	250,000	16 $\frac{1}{2}$	8,300	675	Iron & steel
<i>b.</i>	2	Kronprinz Erzherog Rudolph.	295 0	62 4	25 3	6,870	12	11	2 $\frac{1}{2}$	3 30 $\frac{1}{2}$ -cm. 48-ton (Krupp), 6 12-cm. q.f., 11 m., 2 l.	1887	330,000	16	7,500	600	Steel
<i>b.</i>	2	Kronprinzessin Erzherzogin Stefanie.	278 10	55 9	21 6	5,060	9	8	1	2 30 $\frac{1}{2}$ -cm. 48-ton (Krupp), 6 15-cm. 5-ton, 11 m., 2 l.	1887	300,000	17	8,300	400	Steel
<i>c.d.s.</i>	2	New Ship ...	...	...	...	5,510	11	...	...	6 9 $\frac{1}{4}$ in., 5 4 $\frac{1}{2}$ in. q.f., and smaller q.f.	...	...	17 $\frac{1}{2}$	...	...	...
<i>c.d.s.</i>	2	" ...	...	...	...	5,510	11	...	...	6 9 $\frac{1}{4}$ in., 5 4 $\frac{1}{2}$ in. q.f., and smaller q.f.	...	...	...	...	...	...
<i>c.d.s.</i>	2	" ...	...	...	...	5,510	11	...	...	6 9 $\frac{1}{4}$ in., 5 4 $\frac{1}{2}$ in. q.f., and smaller q.f.	...	...	...	...	...	...
<i>c.d.s.</i>	1	Erzherzog Albrecht ...	285 2	56 3	22 0	5,940	9	7	9 $\frac{1}{2}$	8 24-cm. (Krupp), 11 q.f. and m.	1872	...	13	3,600	450	Steel
River Monitors.	2	Körös ...	177 0	29 6	5 8	448	...	...	1	2 12-cm. (Krupp), 2 q.f., 2 m.	1892	...	10	1,250	...	Steel
	2	Leitha ...	166 0	27 6	3 7	310	1 $\frac{3}{4}$	2 $\frac{1}{2}$	7 $\frac{1}{2}$	2 15-cm. (Wahrendorf), 2 m.	1871	20,000	8	320	20	Iron & steel
	2	New Ship ...	177 0	29 6	5 8	448	...	...	1	2 12-cm. (Krupp), 5 15-cm. q.f., 13 smaller q.f.	...	20,000	10	1,350	...	Steel
	2	Maros ...	166 0	27 6	3 7	310	1 $\frac{3}{4}$	2 $\frac{1}{2}$	7 $\frac{1}{2}$	2 15-cm. (Wahrendorf), 2 m.	1871	20,000	8	320	20	Iron & steel
	2	Samos ...	177 0	29 6	5 8	448	...	...	1	2 12-cm. (Krupp), 2 q.f., 2 m.	1892	...	10	1,250	...	Steel

These not described fully, not obtainable.

AUSTRIAN NAVY—UNARMoured SHIPS.

Class.	Names.	Materials.	Screws.	Displacement	Ind. H.P.	Dimensions.			Launched.	Speed.	Coal capacity.	Armament.	Torpedoes.
						Length.	Breadth.	Draught.					
<i>g. v.</i> <i>cr.</i> 3rd class <i>corr.</i>	Albatros ... Archduke Frederic Aurora ...	Wood ... Wood ... Composite	1 1 1	570 1,570 1,340	340 78 1,000	ft. in. 150 11 2 173 10 3 190 6 1	ft. in. 26 3 39 5 32 10	ft. in. 11 2 16 9 16 1	1873 1874 1873	10·0 9·0 11·0	60 200 160	2 15-cm. 3-ton Wahrendorf, 1 l. 10 15-cm. 3-ton Wahrendorf, 1 l. 2 15-cm. 3-ton Wahrendorf, 5 l., 2 M. or Q.F. ...	...
<i>to. g. b.</i> <i>cr.</i> 3rd class <i>cr.</i> 3rd class <i>cr.</i>	Blitz ... Donau ... Fasana ... Frundsberg	Steel ... Composite Wood ... Composite	2 1 1 1	360 2,343 1,970 1,340	2,900 1,800 1,750 1,000	ft. in. 193 6 2 230 0 4 223 3 3 190 6 3	ft. in. 22 4 42 8 39 5 32 10	ft. in. 8 0 19 8 16 9 16 1	1888 1893 1870 1873	21·0 12·0 12·0 11·0	120 320 315 160	9 Q.F. ... 10 12-cm. Uchatius, 4 M., 1 l. 4 15-cm. 5-ton Krupp, 3 l., 2 Q.F. 2 15-cm. 3-ton Wahrendorf, 5 l., 2 M. or Q.F.	...
<i>cr.</i> 2nd class P. <i>2 1/2''</i>	Kaiserin Elizabeth	Steel ...	2	4,064	9,000	ft. in. 321 6 6 47 6 18 7	ft. in. 47 6 18 7	ft. in. 18 7	1890	19·0	660	2 24-cm. 27-ton Krupp, 6 15-cm. 6-ton do., 11 Q.F., 2 l.	5 f. tu. or 1. car. 4 f. tu.
<i>cr.</i> 1st class P. <i>2 1/2''</i>	Kaiserin Maria Teresa	Steel ...	2	5,270	10,000	ft. in. 351 0 5 2 6 20 0	ft. in. 52 6 20 0	ft. in. 20 0	1893	19·0	660	2 24-cm. 27-ton Krupp, 10 15-cm., Q.F., 13 smaller Q.F.	or 1. car. 5 f. tu. or 1. car.
<i>cr.</i> 2nd class P. <i>2 1/2''</i>	Kaiser Franz Joseph Komet	Steel ... Steel ... Iron & wood	2 2 1	360 3,430	2,900 2,850	ft. in. 193 6 2 253 0 4 6 0 20 8	ft. in. 22 4 46 0 20 8	ft. in. 8 0 20 8	1888 1873	21·0 13·0	120 450	9 Q.F. ... 15 15-cm. 5-ton Krupp, 7 Q.F. and M., 2 l.	...
<i>cr.</i> 2nd class <i>to. g. b.</i>	Laudon	Steel ...	2	1,582	6,000	ft. in. 224 0 3 4 0 14 0	ft. in. 34 0 14 0	ft. in. 14 0	1886	18·3	250	2 12-cm. 2 1/4-ton Krupp, 10 Q.F. and M.	4 tu. or 1. car.
<i>cr.</i> 3rd class	Leopard	Steel ...	2	1,011	1,000	ft. in. 200 4 2 6 3 12 2	ft. in. 26 3 12 2	ft. in. 12 2	1883	14·0	200	2 15-cm. 5-ton Krupp, 7 M., 1 l. 9 Q.F. ...	...
Torpedo vessel <i>to. g. b.</i>	Lussin ... Meteor ...	Steel ... Steel ...	2 2	350	2,600	ft. in. 187 0 2 2 4 8 0	ft. in. 22 4 8 0	ft. in. 8 0	1887	21·0	120	2 15-cm. 5-ton Krupp, 7 M., 1 l. 9 Q.F. ...	f. tu. or 1. car.
<i>g. b.</i> <i>cr.</i> 3rd class	Nautilus ... Panther ...	Wood ... Steel ...	1 2	570 1,582	410 6,000	ft. in. 150 11 2 224 0 3 4 0 14 0	ft. in. 26 3 11 2 34 0 14 0	ft. in. 11 2 14 0	1873 1885	9·0 18·5	60 250	2 15-cm. 3-ton Wahrendorf, 1 l. 2 12-cm. 2 1/4-ton Krupp, 10 Q.F. and M.	...
Torpedo depot- ship <i>to. g. b.</i>	Pelikan ...	Steel ...	2	2,470	4,700	ft. in. 279 0 3 9 4 15 6	ft. in. 39 4 15 6	ft. in. 15 6	1891	18·0	320	2 15-cm. Uchatius, 8 Q.F.	4 f. tu. or 1. car. 1 l. car.
<i>cr.</i> 2nd class	Planet ... Radetzky ...	Steel ... Composite	2 1	500 3,430	3,500 2,700	ft. in. 210 0 2 3 0 23 0 253 0 4 6 0	ft. in. 23 0 23 0 46 0 20 8	ft. in. 8 3 20 8	1889 1872	19·6 14·0	60 450	10 Q.F. ... 15 15-cm. 5-ton Krupp, 7 Q.F. and M., 2 l.	...
<i>cr.</i> 3rd class <i>to. g. b.</i>	Saida ... Satellit ... Sebenico ... Spalato ...	Wood ... Steel ... Steel ... Steel ...	1 2 2 2	2,440 540 900 840	1,800 4,000 1,200 1,200	ft. in. 233 4 4 220 6 2 6 9 8 0 187 0 2 6 3 12 2 179 6 2 6 3 12 2	ft. in. 42 8 26 9 26 9 8 0 26 8 12 2 26 3 12 2 32 10 15 5	ft. in. 19 1 8 0 8 0 12 2 12 2 12 2 15 5 8 3	1878 1893 1882 1879 1887	12·0 21·87 14·0 14·0 18·0	320 60 200 150 300	11 15-cm. 5-ton Uchatius, 1 l. 9 Q.F. ... 4 9-cm. Uchatius, 2 M., 1 l. 4 9-cm. Uchatius, 7 M., 1 l. 4 12-cm. 2 1/4-ton, 10 M. 10 Q.F. ...	...
Torpedo cruiser <i>to. g. b.</i>	Tiger ... Trabant ...	Steel ... Steel ...	2 2	1,675 530	4,000 3,500	ft. in. 233 0 2 3 0 23 0 210 0 2 6 3 12 2	ft. in. 32 10 23 0 23 0 23 0	ft. in. 8 3 12 2	1890	20·0	60	10 Q.F. ...	1 l. car.
Torpedo vessel <i>corr.</i>	Zara (School ship) Zrinyi ...	Steel ... Composite	2 1	850 1,340	1,200 1,000	ft. in. 179 6 2 6 3 12 2 190 6 3 2 6 16 1	ft. in. 26 3 12 2 32 10 16 1	ft. in. 12 2 16 1	1879 1871	14·0 11·0	150 160	4 9-cm. Uchatius, 7 M., 1 l. 2 15-cm. 3-ton Wahrendorf, 5 l., 2 M. or Q.F.	...

Old Gunboats—"Humo," "Kerka," "Narenta," "Sausego." Paddle-wheel Vessels—"Andreas-Hofer," "Fantasie," "Greif," "Miramar," "Taurus."
Screw Gunboat, "Grille," 380 tons, 300 Ind. H.P. "Salamander," 265 tons (Training Vessel).

AUSTRIAN TORPEDO BOATS.

FIRST CLASS.

Boats.	NAME OR NUMBER.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
2	Boats	95	1,250	135·0	13·7	5·6	22·4	16	2	1885	28	Poplar.
22	Boats	83	900 to 1,000	128·0	15·9	6·9	17 to 21	15	2	1886-89	28	Elbing & Trieste, &c

SECOND CLASS.

26	9 to 34	33 to 50	450 to 500	Various	Various	Various	18 to 21	Various	2	Various Dates	Various	Poplar, Elbing, Chiswick & Pola.
5	35 to 39	63	500	...	...	...	20·5	...	...	...	...	Pola.
8	1 to 8	27	250	...	...	...	15 to 18	...	...	...	...	Pola and Poplar.

The names of the two 135 feet boats are Alder and Falke. The twenty-two 128 feet boats are Bussard, Condor, Elster, Flamingo, Gaukler, Geier, Habicht, Harpie, Ibis, Kibitz, Krähe, Kranich, Kukuk, Marabu, Rabe, Reiher, Secretär, Sperber, Staar, Uhu, Weihe, Würger.

SPANISH NAVY—ARMoured SHIPS.

Class.	Names.	Material.	Belt.	Turret or Battery.	Backing or Deck Plating.	Screws.	Displacement.	Ind. H.P.	Dimensions.			Launched.	Speed.	Coal Capacity.	Cost.	Armament.	Torpedoes.
									Length.	Breadth.	Draught.						
<i>a. c. b.</i>	Almirante Oquendo ...	Steel	12	10½ 12	inches. 3"-2"	2	7,000	13,000	ft. in. 340 0	ft. in. 65 0	ft. in. 21 6	1891	knots. 20·0	tons. ...	£ 600,000	2 28-cm., 10 14-cm. (all Hon- toria), 8 57-mm. q. F., 8 37-mm. do., 2 m.	6 f. tu. or 1. car
<i>a. c. b.</i>	Cardenal Cisneros ...	Steel	12	10½ 12	inches. 3"-2"	2	7,000	13,000	ft. in. 340 0	ft. in. 65 0	ft. in. 21 6	Bldg.	20·0	...	600,000	2 28-cm., 10 14-cm. (all Hon- toria), 8 57-mm. q. F., 8 37- mm. do., 2 m.	6 f. tu. or 1. car
<i>a. c. b.</i>	Cataluña ...	Steel	12	10½ 12	inches. 3"-2"	2	7,000	13,000	ft. in. 340 0	ft. in. 65 0	ft. in. 21 6	Bldg.	20·0	...	600,000	2 28-cm., 10 14-cm. (all Hon- toria), 8 57-mm. q. F., 8 37- mm. do., 2 m.	6 f. tu. or 1. car
<i>a. g. b.</i>	Duque de Tetuan (Harbour Service)	Iron	4	4	9	2	703	190	ft. in. 141 0	ft. in. 31 2	ft. in. 6 10	1874	...	23	...	1 16-cm. (Parrot), 4 bronze smooth-bores	...
<i>a. c. t.</i>	Emperador Car- los V.	Steel	12-6	10" turret	9"	2	9,235	15,000	ft. in. 364 0	ft. in. 69 0	ft. in. 22 0	Bldg.	20·0	...	...	2 28-cm. (Hontoria), 10 14-cm. do., 4 10-cm., 2 7-cm. q. F., 2 m.	6 f. tu. or 1. car
<i>a. c. t.</i>	New Ship ...	Steel	12-6	10" turret	9"	2	9,235	15,000	ft. in. 364 0	ft. in. 69 0	ft. in. 22 0	Bldg.	20·0	...	...	2 28-cm. (Hontoria), 10 14-cm. do., 4 10-cm., 2 7-cm. q. F., 2 m.	6 f. tu. or 1. car
<i>a. c. b.</i>	Infanta Maria Teresa ...	Steel	12	10½ 12	inches. 3"-2"	2	7,000	13,758	ft. in. 340 0	ft. in. 65 0	ft. in. 21 6	1890	20·25	...	600,000	2 28-cm., 10 14-cm. (all Hon- toria), 8 57-mm. q. F., 8 37- mm. do., 2 m.	6 f. tu. or 1. car
<i>b.</i>	Numancia (a)	Iron	5½	5	12	1	7,305	3,708	ft. in. 314 10	ft. in. 55 9	ft. in. 25 3	1863	8·0	740	315,600	8 10-in. m. l. r. (Armstrong), 7 8-in. do., 1 20-cm. (Hon- toria), 8 m., 3 l.	2 f. tu. or 1. car
<i>b.</i>	Pelayo ...	Steel	17¾	19½	4"	2	9,900	8,000	ft. in. 330 0	ft. in. 66 0	ft. in. 24 11	1887	16·0	700	...	2 32-cm. 48-ton, 2 28-cm. 38- ton, 1 16-cm., 12 12-cm., 6 q. F., 12 m.	7 f. tu. or 1. car
<i>a.</i>	Princesa de Asturias	Steel	12	10½ 12	inches. 3"-2"	2	7,000	13,000	ft. in. 340 0	ft. in. 65 0	ft. in. 21 6	Bldg.	20·0	...	600,000	2 28-cm., 10 14-cm. (all Hon- toria), 1 9-cm. do., 8 57-mm. q. F., 8 37-mm. do., 2 m.	6 f. tu. or 1. car
<i>c. s. t.</i>	Puig-ceda ...	Iron Monitor	4	4	9	2	553	328	ft. in. 127 11	ft. in. 29 6	ft. in. 6 7	1874	8·0	28	...	1 16-cm. (Palliser), 2 16-cm. bronze smooth-bores	...
<i>a. c. b.</i>	Vizcaya ...	...	12	10½ 12	inches. 3"-2"	2	7,000	13,000	ft. in. 340 0	ft. in. 65 0	ft. in. 21 6	1891	20·0	...	600,000	2 28-cm., 10 14-cm., 1 9-cm. (all Hontoria), 8 57-mm., 4 37-mm. q. F., 2 m.	6 f. tu. or 1. car
<i>b. r.</i>	Vitoria ...	Iron	5½	5	12	1	7,250	4,500	ft. in. 318 3	ft. in. 55 10	ft. in. 25 3	1865	11·0	900	...	8 9 in. m. l. r. (Armstrong), 3 8 in. do., 1 20-cm. (Hontoria), 8 m., 2 l.	2 f. tu. or 1. car
<i>b. r.</i>	Zaragoza (Torpedo School)	Wood	5	5	26	1	5,620	3,000	ft. in. 278 10	ft. in. 55 10	ft. in. 24 7	1867	8·0	700	...	4 9 in. m. l. r. (Armstrong), 3 18-cm. (Palliser), 8 16-cm. do., 1 12-cm., 6 8-cm. do., 2 m.	...

SPANISH NAVY—UNARMoured SHIPS.

Class.	Names.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Tons capacity.	Armament.	Torpedoes.
<i>cr.</i>	Alfonso XII. ...	Steel	1	3,090 tons.	4,800	ft. in. 278 10	ft. in. 42 7	ft. in. 16 5	1887	knots. 17.0	600	6 16-em. (Hontoria), 2 7-em. do., 6 6-pdrs. q.f., 4 3-pdrs. do., 5 m.	5 f. tu. or 1. car.
"	Alfonso XIII. ... P. 4 $\frac{3}{4}$ "-3"	Steel	2	5,000	11,000	318 6	50 6	20 0	1891	20.0	1,100	4 20-em. (Hontoria), 6 12-em. do., 6 57-mm. q.f., 6 37-mm. do., 3 m. (Krupp), 2 m.	5 f. tu. or 1. car.
"	Aragon ...	Wood	1	3,342	4,400	246 0	45 11	20 11	1879	14.0	470	6 16-em. (Hontoria), 6 87-em. (Krupp), 2 m.	2 l. car.
"	Castilla ...	Wood	1	3,342	4,400	246 0	45 11	20 11	1881	14.0	470	4 15-em. (Krupp), 2 12-em. do., 4 7 $\frac{1}{2}$ -em. do., 8 q.f., 2 m.	1 l. car.
"	Concha ...	Iron	2	524	600	157 5	25 7	8 7	1883	11.5	80	3 12-em. (Hontoria), 2 q.f., 1 m.	1 l. car.
"	Conde de Venadito ...	Iron	1	1,130	1,600	210 0	32 0	12 6	1888	14.0	220	4 12-em. (Hontoria), 2 q.f., 7 m.	2 f. tu. or 1. car.
"	Cristobal Colon (Wrecked) ...	Iron	1	1,130	1,600	210 0	32 0	12 6	1887	14.0	220	4 12-em. (Hontoria), 2 7-em. do., 2 q.f., 5 m.	2 f. tu. or 1. car.
"	Don Antonio Ulloa ...	Iron	1	1,130	1,600	210 0	32 0	12 6	1887	14.00	220	4 12-em. (Hontoria), 2 7-em. do., 5 q.f., 2 m.	2 f. tu. or 1. car.
"	Don Juan de Austria ...	Iron	1	1,130	1,600	210 0	32 0	12 6	1887	14.00	...	4 12-em. (Hontoria), 3 57-mm. q.f., 2 42-em. do., 1 3-pdr. do., 1 m.	3 f. tu. or 1. car.
<i>to. g. b.</i>	Destructor ...	Steel	2	458	3,800	192 6	25 0	mean dr. 7 0	1887	22.56	...	1 9-em., 4 6-pdrs. q.f., 4 m.	3 f. tu. or 1. car.
<i>g. r.</i>	El Cano ...	Iron	2	524	600	157 5	25 7	8 6	1885	11.50	80	3 12-em. (Hontoria), 8 q.f., 2 m.	1 l. car.
<i>cr.</i>	Ensenada ... pp. 2 $\frac{1}{2}$ "-1"	Steel	2	1,030	1,600	185 0	30 0	11 6	1890	15.90	...	4 12-em. (Hontoria), 5 q.f., 4 m.	3 f. tu. 1 l. car.
<i>d. r.</i>	Fernando el Catolico ...	Iron	2	500	550	157 5	25 7	8 5	1875	10.00	20	1 16-em. m.l.r. (Paliser), 2 12-em. smooth-bores, 1 m.	...
<i>to. g. b.</i>	Filipinas ...	Steel	2	750	4,600	233 0	27 0	8 0	1892	20.00	...	2 12-em. q.f., 4 42-mm. do., 2 m.	4 f. tu. or 1. car.
"	Galicia ...	Steel	2	570	2,600	190 0	23 0	10 4	1891	19.00	106	2 12-em. (Hontoria), 4 57-mm. q.f., 1 m.	2 l. car.
<i>g. r.</i>	General Lezo ...	Iron	2	524	600	157 5	25 7	8 6	1885	11.00	80	2 12-em. (Hontoria), 1 9-em. do., 2 q.f., 1 m.	1 l. car.
<i>cr.</i>	Infanta Isabel ...	Iron	1	1,130	1,500	210 11	32 2	12 5	1885	14.00	220	4 12-em. (Hontoria), 2 7-em. do., 3 q.f., 4 m.	2 l. car.
"	Isabel II. ...	Iron	1	1,130	1,500	210 11	32 2	12 5	1886	14.00	220	4 12-em. (Hontoria), 2 7-em. do., 4 q.f., 3 m.	2 l. car.
"	Isla de Cuba ... pp. 2 $\frac{1}{2}$ "-1"	Steel	2	1,030	2,200	185 0	30 0	11 6	1887	16.00	160	4 12-em. (Hontoria), 4 6-pdrs. q.f., 2 3-pdrs. do., 2 m.	3 f. tu. or 1. car.
"	Isla de Luzon ... pp. 2 $\frac{1}{2}$ "-1"	Steel	2	1,030	2,200	185 0	30 0	11 6	1887	16.00	160	4 12-em. (Hontoria), 4 6-pdrs. q.f., 2 3-pdrs. do., 1 m.	3 f. tu. or 1. car.

SPANISH NAVY—UNARMoured SHIPS—continued.

Class.	NAME.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal capacity.	Armament.	Torpedoes.
<i>t.</i>	Jorge Juan ...	Wood	1	935	1,100	203 5	29 6	12 2	1876	13-00	130	3 16-cm. 6-ton M.L.R. (Palliser), 2 73-mm. (Krupp), 2 M.	...
<i>cr.</i>	Lepanto... 4 3/4"-3"	Steel	2	4,826	12,000	318 6	50 6	20 0	1892	20-00	1,100	4 20-cm. (Hontoria), 6 12-cm. Q.F., 6 6-pdrs. do., 4 3-pdrs. do., 5 M.	5 f. tu. or 1. car.
<i>g.v.</i>	Magallanes ...	Iron	2	324	600	157 5	25 7	8 6	1885	11-0	80	3 12-cm. (Hontoria), 3 M.	1 l. car.
<i>d.v.</i>	Marques del Duero ...	Iron	2	500	550	157 5	25 7	8 5	1875	10-0	90	1 16-cm. M.L.R. (Palliser), 2 12-cm. S.B., 1 M.	...
<i>to, g.b.</i>	Marques de Molins ...	Steel	2	571	2,600	190 0	23 0	10 4	1891	19-0	106	2 12-cm. (Hontoria), 4 57-mm. Q.F., 1 M.	2 l. car.
"	Martin Alonzo Pinzon	Steel	2	571	2,600	232 11	23 0	10 4	1892	19-0	106	2 12-cm. (Hontoria), 4 57-mm. Q.F., 1 M.	2 l. car.
<i>cr.</i>	Navarra ...	Wood	1	3,342	4,400	190 0	42 7	20 4	1881	14-0	470	4 15-cm., 2 12-cm., 2 87-mm., 4 75-mm., 4 M.	2 l. car.
<i>to, g.b.</i>	(New) B.C.D. ...	Steel	2	850	4,500	...	...	...	...	20-0	...	2 12-cm. Q.F., 4 42-mm. Q.F., 2 M.	4 f. tu. or 1. car.
"	Nueva Espana...	Steel	2	630	2,600	190 0	23 0	10 4	1889	18-0	106	2 12-cm. (Hontoria), 4 57-mm. Q.F., 1 M.	2 l. car.
<i>g.v.</i>	Prosperidad ...	Wood	1	420	134	141 0	22 7	9 7	1865	6-0	80	2 12-cm. (Hontoria), 1 75-mm., 1 M.	...
<i>to, g.b.</i>	Rapido ...	Steel	2	570	2,600	190 0	23 0	10 4	1891	18-0	106	2 12-cm. (Hontoria), 4 57-mm. Q.F., 1 M.	2 l. car.
<i>cr.</i>	Reina Christina	Steel	1	3,520	3,970	282 2	42 7	16 5	1886	17-5	600	6 16-in. (Hontoria), 2 7-cm. do., 3 57-mm. Q.F., 2 42-mm. do., 6 3-pdrs. do., 2 M.	5 f. tu. or 1. car.
"	Reina Mercedes	Steel	1	3,090	3,700	278 10	42 7	16 5	1887	17-5	600	6 16-in. (Hontoria), 2 7-cm. do., 3 57-mm. Q.F., 2 42-mm. do., 6 3-pdrs. do., 2 M.	5 f. tu. or 1. car.
<i>sl.</i>	Sanchez Barcaistegni	Wood	1	935	1,100	203 5	29 6	12 2	1876	13-0	130	3 16-cm. M.L.R. (Palliser), 2 75-mm. (Krupp), 2 M.	...
<i>to, g.b.</i>	Temerario ...	Steel	2	570	2,600	190 0	23 0	10 4	1889	20-0	106	2 12-cm. (Hontoria), 4 42-mm. Q.F., 1 M.	2 l. car.
<i>cr.</i>	Valasco ...	Iron	1	1,152	1,500	209 11	29 3	12 5	1881	14-3	220	3 15-cm. 4-ton (Armstrong), 2 7-ton (Hontoria), 2 M.	...
<i>to, g.b.</i>	Veloz ...	Steel	2	750	4,500	190 0	23 0	10 4	...	20-0	106	2 12-cm. (Hontoria), 4 57-mm. Q.F., 1 M.	2 l. car.
"	Vincente Yanez Pinzon	Steel	2	571	2,600	190 0	23 0	10 4	...	19-0	106	2 12-cm. (Hontoria), 4 57-mm. Q.F., 1 M.	...

Several Gunboats from 216 to 245 tons, and from 183 to 350 Ind. H.P. About 40 small Steamers, 3rd Class, from 80 to 350 tons.

Spain has lost several vessels lately.

SPANISH TORPEDO BOATS.

FIRST CLASS.

Boats.	NAME OR NUMBER.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	A.	97	1,600	147.5	14.6	4.9	25	18	2	1893	25	
1	Acevedo	63	660	117.7	12.5	6.2	20.6	17	2	1885	15	Chiswick.
1	Ariete	97	1,600	147.5	14.6	4.9	26	18	2	1887	25	„
1	Azor	108	1,600	134.5	14.0	6.0	24	23	3	1887	25	Poplar.
1	B.	105	1,600	135.0	14.0	6.0	24	23	3	1893	25	„
1	Barcelo	66	800	126.0	10.9	3.10	19.5	17	2	1886	25	Normand.
1	Bustamente	63	800	126.0	10.9	3.9	19.5	17	2	1887	15	„
1	C.	97	1,600	147.5	14.6	4.9	25	18	2	...	25	„
1	D.	97	1,600	147.5	14.6	4.9	25	18	2	...	25	„
1	Ejercito	60	1,600	111.5	13.0	3.3	25	17	2	1887	15	Kiel.
1	Habana	59	730	127.5	12.5	6.0	21.2	17	2	1887	15	Chiswick.
1	Halcon	108	1,600	134.5	14.0	6.0	24	23	3	1887	25	Poplar.
1	Julian Ordoñez	65	660	117.7	12.5	6.2	20.5	17	2	1885	15	Chiswick.
1	Orion	85	1,000	125.0	15.5	3.5	21.5	18	2	...	16	Gaarden.
1	Rayo	97	1,600	147.5	14.6	4.9	25.5	18	2	1887	25	Chiswick.
1	Retamosa	70	700	118.0	12.5	5.5	20.5	17	2	1886	15	Poplar.
1	Rigel	57	800	105.0	12.3	3.3	19	18	2	1883	13	Bremen.
1	Seza... .. .	85	1,000	126.0	15.6	3.7	14	18	2	1885	16	Ferrol.
20	20 Boats	60	1,600	111.5	13.0	3.3	25	17	2	1893-94	15	„

SECOND CLASS.

1	Aire... .. .	25	175	43.4	10.2	3.0	10	16	...	1883	1	Spain.
1	Castor	23	265	76.2	9.7	2.3	19	14	...	1878	1.5	La Seyne.
1	Pullux	33	450	84.5	10.7	4.6	19.5	14	2	1879	9	Poplar.

VEDETTE BOATS.

3	3 Boats .. .. .	...	...	60.0	9.3	...	...	13	...	1892	10	East Cowes.
1	Peral	87	60	70.0	8.5	...	10	13	...	1889	10	Carraca.

TURKISH NAVY—ARMOURED SHIPS.

Class.	Names.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Belt.	Turret or Battery.	Backing or Deck Plating.	Speed.	Coal.	Lanched.	Armament.	Torpedoes.
<i>a.c.</i>	Abdel-kader ...	Steel	2	8,000 tons.	12,110	ft. in. 341 0 65 6	ft. in. 24 0 24 0	inches. 0	inches. 14	inches. 2	knots. 20	1,000 tons.	Bldg.	4 28-em. (Krupp), 6 15-em. do., 10 Q.F.	10 f. tu. or 1. car.	
<i>c.b.</i>	Assar-i-Schefket ...	Iron	2	2,080	1,750	208 5 42 7	16 5	4½	6	9	11	300	1868	1 9-in. (Armstrong), 4 7-in. do., 4 m., 4 l.	...	
<i>c.b.</i>	Assar-i-Tevfik ...	Iron	1	4,687	3,560	272 4 52 6	24 11	6	8	9	13	400	1868	8 24-em. (Krupp), 2 21-em. do., 7 m., 4 l.	...	
<i>c.b.</i>	Avni-Illah ...	Iron	1	2,400	2,200	226 4 36 0	16 5	5	6	10	12	220	1869	4 9-in. 12-ton m.l.r. (Armstrong), 4 m., 4 l.	1 l. car.	
<i>b.</i>	Azizieh (a) ...	Iron	1	6,400	3,735	292 0 55 9	25 7	5	5½	9	13	750	1864	2 28-em. (Krupp), 8 15-em. do., 6 10-em. do., 7 m., 2 l.	2 l. car.	
<i>c.b.</i>	Feth-i-Bulend ...	Iron	1	2,806	3,250	236 3 39 4	18 1	6	9	10	13	300	1869	4 9-in. 12-ton m.l.r. (Armstrong), 4 m., 2 l.	1 l. car.	
<i>a.g.b.</i>	Feth-el-Islam ...	Iron	1	335	290	101 9 24 7	5 11	3	3	10	8	20	1864	2 7-in. (Armstrong), 2 l.	...	
<i>c.b.</i>	Hamidieh ...	Iron	1	6,700	4,500	292 0 55 9	24 10	5	9	18	13	606	1885	10 26-em. (Krupp), 2 17-em. do., 6 Q.F., 2 m.	2 l. car.	
<i>a.g.b.</i>	Hisber ...	Iron	1	404	400	144 4 30 10	5 7	3	3	5½	7	20	1875	2 15-em. (Krupp), 2 m., 2 l.	...	
<i>t.</i>	Hufzi-el-Rahman ...	Iron	1	2,540	200	204 0 45 11	14 5	5	4½	10	12	200	1868	2 12-ton m.l.r. (Armstrong), 2 6½-ton do., 1 5-in. (Krupp), 6 m.	...	
<i>c.b.</i>	Idjilalieh ...	Iron	1	2,266	1,800	213 3 42 7	17 4	4½	6	13	11	300	1870	2 12½-ton m.l.r. (Armstrong), 2 6½-ton do., 1 15-em. (Krupp), 4 m.	...	
<i>b.</i>	Mahmudieh (a) ...	Iron	1	6,400	3,735	292 0 55 9	25 7	5	5½	9	12	750	1864	2 28-em. (Krupp), 8 15-em. do., 6 10-em. do., 7 m., 2 l.	2 l. car.	
<i>a.g.b.</i>	Memdooyeh ...	Iron	1	335	290	101 9 24 7	5 11	3	3	10	8	20	1864	2 7-in. (Armstrong), 2 l.	...	
<i>c.b.</i>	Mesoodieh ...	Iron	1	9,120	7,431	331 5 59 0	25 11	10	12	10	13	600	1874	12 18-ton m.l.r. (Armstrong), 3 15-em. (Krupp), 7 m., 6 l.	...	
<i>c.b.</i>	Muin-i-Zaffer ...	Iron	2	2,400	2,200	230 0 36 0	16 5	5	6	10	12	220	1869	4 12-ton m.l.r. (Armstrong), 1 12-em. K., 4 m., 2 l.	...	
<i>c.b.</i>	Mukadim-i-Hair ...	Iron	1	2,806	3,000	236 3 39 4	18 1	6	9	10	12	300	1872	4 12-ton m.l.r. (Armstrong), 1 12-em. (Krupp), 4 m., 2 l.	...	
<i>c.b.</i>	Nedjim-i-Schefket ...	Iron	2	2,080	1,900	203 5 42 7	16 5	4½	6	9	11	300	1868	1 9-in., 4 7-in. (Armstrong), 4 m., 4 l.	...	
<i>b.</i>	Orkanieh (a) ...	Iron	1	6,400	3,735	292 0 55 9	25 7	5	5½	9	12	750	1865	2 28-em. (Krupp), 8 15-em. do., 6 10-em. do., 7 m., 2 l.	2 l. car.	
<i>b.</i>	Osmanieh (a) ...	Iron	1	6,400	3,735	292 0 55 9	25 7	5	5½	9	12	750	1864	2 23-em. (Krupp), 8 15-em. do., 6 10-em. do., 7 m., 2 l.	2 l. car.	

TURKISH NAVY—UNARMoured SHIPS.

Class.	Names.	Material.	Propellers.	Displacement	Ind. H.P.	Length.	Breadth.	Draught.	Speed.	Coal.	Launched.	Armament.	Torpedoes.
<i>g.v.</i> <i>sl.</i>	Beyruth ... Brussa ...	... Wood	1 1	609 800	160 150	173 6 172 6	26 7 30 6	12 10 15 2	10·0 11·0	120 120	1863-89 1859-87	2 12-cm. (Krupp), 2 M., 2 1... 2 6-in. (Krupp), 2 12-cm. do., 2 M.	... ...
<i>to.g.b.</i> " <i>sl.</i>	Edschder New (N.) Edirneh ...	Steel Steel Wood	2 2 1	... ... 782	2,500 ... 150	154 0 187 0 172 6	18 4 18 4 30 6	7 3 ... 14 2	24·0 20·0 11·0	... ... 120	1890 Bldng. 1859-87	5 47-mm. Q.F.... 6 3·7-cm. Q.F.... 2 6-in. (Krupp), 2 12-cm. do., 2 M.	2 1. car. 2 1. car ...
<i>cr.</i> " "	Fezibahri Heibetnuma ... Hudavendikiar	Steel Steel and wood Steel	2 1 2	1,815 1,960 4,050	2,500 2,500 ...	226 0 226 0 279 0	35 0 37 0 49 3	14 0 14 0 21 0	17·0 14·0 ...	... ... ...	Bldng. 1890 Bldng.	6 15-cm. (Krupp) ... 3 17-cm. (Krupp), 6 12-cm. do., 6 Q.F. 2 21-cm. (Krupp), 6 15-cm. do., 4 10½-cm. do.	7 f. tu. or 1. car. 2 1. car. 5 f. tu. or 1. car. car.
<i>g.v.</i> " <i>sl.</i>	Iskenderieh ... Lutfi-hamayoun Mansureh ...	Wood Composite Wood	1 1 1	609 1,313 800	160 2,800 150	173 6 210 0 174 10	26 7 35 0 30 6	12 10 14 0 15 2	11·0 13·0 11·0	120 ... 120	1863-85 1892 1863-88	2 12-cm. (Krupp), 2 M., 4 1... 4 6-in. (Krupp), 6 4·7-in. do., 6 Q.F. 2 6-in. (Krupp), 2 12-cm. do., 2 M.	... 2 1. car. 1 1. car.
<i>corp.</i> <i>g.v.</i> <i>cr.</i>	Mehemet Selim Mehrieh ... Mookbir-i-Sooroor (T.Sch.) Two new Vessels ... Muzafer ...	Wood Wood ... Steel Wood	1 1 1 2 1	1,300 609 1,477 800 800	450 160 450 1,000 150	196 10 173 6 209 11 180 0 174 10	32 10 26 7 38 0 24 0 30 6	16 6 12 10 17 5 16 0 15 2	11·0 10·0 ... 12·0 10·0	250 120 ... 150 150	1875 1863 1879 Bldng. 1863-88	10 15-cm. (Krupp), 4 M., 4 1. 2 4½-in. (Krupp), 2 M., 4 1. ... 22 guns ... 2 6-in., 6 4·7-in. Q.F.... 2 6-in. 5-ton (Krupp), 2 12- cm. do., 2 M.	... ... ... 4 f. tu. or 1. car. 1 1. car.
<i>to.g.b.</i> <i>g.v.</i> <i>cr.</i>	Netmet ... Sedul Bahr ... Selimieh ...	Steel Wood Steel	2 1 2	900 609 4,050	4,500 160 ...	230 0 173 6 279 0	31 0 26 7 49 3	16 6 12 10 21 0	19·0 10·0 ...	200 120 ...	1890 1859-85 ...	2 10½-cm. (Krupp), 6 8½-cm. do. 4 4½-in. (Krupp), 6 M. 2 21-cm. (Krupp), 6 15-cm. do., 4 10½-cm. do.	... ... ...
" <i>to.g.b.</i> " <i>sl.</i>	Shadie ... Shahani-deria ... Two new Vessels ... Sinope ...	Steel Steel Steel Steel Wood	2 2 2 2 2 1	1,815 450 ... 800	2,500 3,000 ... 150	226 0 200 0 ... 174 10	35 0 23 0 ... 30 6	14 0 9 0 ... 15 2	17·0 22·0 ... 19·0 10·0	... ... ... ... ...	1892 1859-89	6 15-cm. (Krupp) ... 2 4-in. Q.F. (Krupp), 6 47-mm. do. 6 57-mm. Q.F.... 2 6-in. (Krupp), 2 12-cm. do., 2 M.	... 7 f. tu. or 1. car. 4 1. car. ... 4 f. tu. or 1. car.
<i>g.v.</i> "	Uthared Zuhaf ...	Wood Wood	1 1	609 609	160 160	173 6 173 6	26 7 26 7	12 10 12 10	10·0 10·0	120 120	1863-85 1862-85	2 4½-in. (Krupp), 2 M., 4 1. ... 4 4½-in. (Krupp), 6 M.	... ...

Twenty-seven Despatch Vessels, from 190 to 1,500 tons, 50 to 800 Ind. H.P.; many of these built of wood. Five Gunboats of 200 tons and 60 Ind. H.P., about 11 knots speed. Several Gunboats of about 200 ft. long, 200 tons displacement, and carrying four guns, are being built. Cannot fill in all particulars, as information could not be obtained.

TURKISH TORPEDO BOATS.

FIRST CLASS.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Dranght.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	Boat	230	2,000	187.0	21.6	9.8	20.0	30	3	1890	50	Gaarden.
1	Edjder	150	2,200	152.7	18.9	7.4	23.0	24	2	1890	40	„
1	Boat	120	1,800	140.0	16.0	6.9	23.0	17	2	1889	8	Constantinople.
5	Boats	85	1,300	126.7	15.4	8.6	22.0	21	2	1889-90	8	Gaarden.
1	Timsah	70	1,000	126.0	15.0	6.3	21.7	17	2	1887	17	London.
5	Boats	85	1,000	120.3	16.2	3.9	21.0	20	2	1886-89	17	Elbing.
4	Boats	42	550	100.3	11.8	5.5	19.5	11	2	1886-89	10	Constantinople.
1	Tewfik	42	550	100.7	13.0	5.5	20.0	11	2	1885	10	Normand.
2	Boats	42	550	100.7	13.0	5.5	20.3	11	2	1885	10	La Seyne.
*10	Boats ... ..	...	...	...	...	...	...	...	...	1890-95	...	Elbing.

* Cannot obtain particulars.

SUBMARINE.

Abdul Hamid ...	160	250	100.0	12.0	5.3	11.0	24	1	1886	8	Chertsey.
Abdul Medjid ...	160	250	100.0	12.0	5.3	11.0	24	1	1886	8	„

PORTUGUESE NAVY—ARMoured SHIPS.

(CENTRAL BATTERY CLASS.)

Class.	NAME.	Material.	Propellers.	Displace-ment.	Ind. H.P.	Length.	Breadth.	Draught.	Belt.	Battery.	Deck Plating.	Launched.	Speed.	Coal.	Cost.	Armament.
<i>c.b.</i>	Vasco da Gama	Iron	2	2,422 tons.	3,605	200 ft.	40 ft.	18 ft.	9 in.	10 in.	3 in.	1876	13 knots.	300 tons.	103,800 \$	2 26-cm. 18-ton (Krupp), 1 15-cm. do., 2 65-mm. Q.F., 2 M.

UNARMoured SHIPS.

Class.	NAMES.	Material.	Propellers.	Displace-ment.	Ind. H.P.	Length.	Breadth.	Draught.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armament.	Torpedoes.	
<i>corv.</i>	Afonso de Albuquerque	Iron and wood	1	1,111 tons.	1,055	205 ft.	33 ft.	12 ft.	0 in.	2 in.	3 in.	1884	12 knots.	150 tons.	2 6-in. (Armstrong), 5 5-in. do., 3 M.	...
"	Bartholomeu Dias	Wood	1	2,377 (nom.)	400	207 ft.	37 ft.	20 ft.	0 in.	6 in.	1858	10 knots.	360 tons.	8 5-in. ...	...
<i>g.v.</i>	Bengo	Composite	1	462	400	125 ft.	24 ft.	8 ft.	7 in.	10 in.	1879	10 knots.	80 tons.	1 6-in., 2 87-mm. ...	...
"	Diego Cam	Composite	1	587	400	143 ft.	25 ft.	10 ft.	0 in.	10 in.	1888	9 knots.	80 tons.	2 15-cm. 4-ton ...	...
"	Diu	Composite	1	640	700	147 ft.	27 ft.	13 ft.	0 in.	0 in.	1889	12 knots.	100 tons.	1 15-cm. (Krupp), 2 87-mm. do., 1 3-pdr. Q.F., 2 M.	...	
"	Don Luiz I.	Steel	2	600	600	...	...	...	...	...	1891	11 knots.	100 tons.	4 10½-cm., 6 65-mm. Q.F., 3 M. ...	...
"	New Ship	Steel	2	600	600	...	...	...	...	...	Bldg.	11 knots.	100 tons.	4 10½-cm., 6 65-mm. Q.F., 3 M. ...	...
"	Douro	Wood	1	587	400	143 ft.	25 ft.	10 ft.	0 in.	10 in.	1873	9 knots.	80 tons.	1 15-cm. 4-ton, 2 5-in. do., 1 M. ...	...
<i>corv.</i>	Duque de Terceira	Wood	1	1,418	220 (nom.)	180 ft.	34 ft.	14 ft.	2 in.	2 in.	1864	10 knots.	200 tons.	2 15-cm. (Krupp), 2 65-mm. Q.F., 2 M.	...	
"	Estephania	Wood	1	2,368	400 (nom.)	202 ft.	41 ft.	17 ft.	4 in.	8 in.	1859	10 knots.	360 tons.	1 7-in., 8 80-pdrs. M.L. (Palliser)	...	
<i>g.v.</i>	Liberal	Iron and wood	1	610	500 (nom.)	140 ft.	25 ft.	11 ft.	0 in.	0 in.	1884	10 knots.	90 tons.	1 6-in. 4-ton (Armstrong), 2 4-in. do., 2 M.	...	
<i>corv.</i>	Mindello	Composite	1	1,124	900	169 ft.	35 ft.	13 ft.	5 in.	5 in.	1876	11 knots.	100 tons.	2 7-in. 4-ton M.L.R. (Armstrong), 6 5-in., 2 l.	...	

PORTUGUESE NAVY.—UNARMoured SHIPS—continued.

Class.	Names.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armament.	Torpedoes.
<i>g.v.</i>	Mandovi	Composite ...	1	tons. 462	400	ft. in. 125 7	ft. in. 24 7	ft. in. 8 10	1879	knots. 10	tons. 80	1 6-in., 2 9-cm., 2 M. ...	...
"	Quanza	Wood ...	1	587	500	143 0	25 11	10 10	1877	10	80	1 6-in. 4-ton, 2 5-in., 1 M. ...	...
<i>corr.</i>	Rainha de Portugal ...	Composite ...	1	1,124	900	169 11	35 9	13 5	1876	11	100	1 7-in. M.L.R. (Armstrong), 4 5-in., 2 L.	...
<i>g.v.</i>	Rio Ave	Wood ...	1	380	300	120 0	22 0	10 0	1880	8	65	1 10-cm., 2 7½-cm. do. ...	...
"	Rio Lima	Iron and wood	1	610	500	148 11	28 3	10 6	1875	10	90	1 15-cm. 4-ton (Armstrong), 4 40-pdrs. do.	...
"	Sado	Composite ...	1	610	500	148 11	28 3	10 6	1875	10	90	1 15-cm. 4-ton (Armstrong), 4 40-pdrs. do.	...
"	Tamega	Composite ...	1	610	500	148 11	28 3	10 6	1875	10	90	1 15-cm. 4-ton (Armstrong), 4 40-pdrs. do.	...
"	Tejo	Wood ...	1	587	400	143 0	25 11	10 10	1869	10	80	1 15-cm. 4-ton, 2 40-pdrs. do. ...	...
"	Vouga	Iron and wood	1	721	600	161 0	27 7	11 10	1882	9	100	1 6-in., 4 4-in. do., 2 M. ...	...
"	Zaire	Iron and wood	1	558	500	140 0	25 10	11 10	1884	10	20	1 6-in. (Armstrong), 2 4-in. do., 2 M.	...
"	Zambezia	Composite ...	1	640	500	143 0	26 0	10 10	1886	9	80	1 6-in., 2 4-in. do., 2 M. ...	...
<i>cr.</i>	4 Cruisers (not named) P. 2¾"	Steel ...	2	4,700	11,000	334 9	46 9	20 0	Projctd.	21	850	4 15-cm., 4 65-mm. Q.F., 4 M. ...	1. car.

Five Gunboats (small), 160 to 340 tons displacement, 11 to 12 knots speed. A few Torpedo Boats.

SWEDISH NAVY.—ARMoured SHIPS.

Class.	NAMES.	Material.	Propellers.	Displacement.	Ind. H. P.	Length.	Breath.	Draught.	Launched.	Speed.	Coal.	Turret.	Belt.	Backing and Deck Plating.	Armament.	Torpedoes.
<i>a.g.b.</i>	Berserk	Iron	2	452	155	ft. in. 131 3	ft. in. 29 6	ft. in. 8 3	1874	8.0	19	14	2½	34	1 24-cm. 15-ton, 2 M.	...
"	Bjorn	Iron	2	457	155	ft. in. 131 3	ft. in. 26 3	ft. in. 8 3	1874	8.0	19	14	2½	34	1 24-c m. 15-ton, 2 M.	...
"	Fenris	Iron	1	259	44	ft. in. 104 11	ft. in. 22 4	ft. in. 7 10	1872	6.0	7	11	2	34	1 24-cm. 15-ton, 2 M.	...
"	Folke	Iron	2	460	155	ft. in. 131 3	ft. in. 26 3	ft. in. 8 3	1875	8.0	19	14	2½	34	1 24-cm. 15-ton, 2 M.	...
"	Gerda	Iron	2	457	133	ft. in. 131 3	ft. in. 26 3	ft. in. 8 3	1873	8.0	19	14	2½	34	1 24-cm. 15-ton, 2 M.	...
<i>c.d.s.t.</i>	Gota	Steel	2	3,135	4,677	ft. in. 258 6	ft. in. 48 0	ft. in. 16 0	1890	15.96	200	11½-9¾ 10½ c.t.	11½	2"	2 10-in. 4 6-in., 5 Q.F. do., 6 M.	3 f. tu. orl. car.
"	Hildur	Iron	2	457	133	ft. in. 131 3	ft. in. 26 3	ft. in. 8 3	1872	8.0	19	14	2½	34	1 24-cm. 15-ton, 2 M.	...
<i>c.d.s.t.</i>	John Ericsson	Iron	1	1,500	380	ft. in. 200 2	ft. in. 45 11	ft. in. 11 6	1865	6.0	112	11½ 9¾ c.t.	4½	31½ 1"	2 24-cm. 15-ton, 2 M.	...
"	Loke	Iron	1	1,600	430	ft. in. 205 3	ft. in. 45 11	ft. in. 11 10	1871	7.0	112	18 9¾ c.t.	4½	40 1"	2 24-cm. 15-ton, 2 M.	...
<i>a.g.b.</i>	Skold	Iron	1	247	17	ft. in. 104 11	ft. in. 22 4	ft. in. 8 3	1869	4.0	5	9	1	34	1 24-cm. 15-ton, 2 M.	...
"	Solve	Iron	2	454	155	ft. in. 131 3	ft. in. 29 6	ft. in. 8 3	1875	8.0	19	14	2½	34	1 24-cm. 15-ton, 2 M.	...
<i>c.d.s.t.</i>	Svea	Steel	2	2,900	3,100	ft. in. 249 4	ft. in. 49 3	ft. in. 15 9	1886	15.45	200	11½ 10½ c.t.	11½	2"	2 10-in. 27-ton (Armstrong), 4 6-in. 4-ton do., 4 Q.F., 6 M.	3 f. tu. orl. car.
"	New Ship	Steel	...	3,400	...	...	...	...	Bldg.	16.0	...	...	...	...	2 25-cm. 4 12-cm. Q.F. ...	orl. car.
<i>t.</i>	Thordon	Iron	1	1,500	380	ft. in. 200 2	ft. in. 45 11	ft. in. 11 6	1866	6.0	112	11½ 9¾ c.t.	4½	26 1"	2 24-cm. 15-ton, 2 M.	...
<i>c.d.s.t.</i>	Thule	Steel	2	3,135	3,150	ft. in. 249 4	ft. in. 49 3	ft. in. 15 9	1892	16.0	...	11½-7¾ 10½ c.t.	11½-7¾	22 2"	2 10-in. (Armstrong), 4 6-in. do., 5 Q.F., 6 M. ...	3 f. tu. orl. car.
"	Tirfing	Iron	1	1,500	380	ft. in. 200 2	ft. in. 45 11	ft. in. 11 6	1867	6.0	112	11½ 9¾ c.t.	4½	26 1"	2 24-cm. 15-ton, 2 M.	...
<i>a.g.b.</i>	Ulf	Iron	2	457	155	ft. in. 131 3	ft. in. 26 3	ft. in. 8 3	1873	8.0	20	14	2½	34	1 24-cm. 15-ton, 2 M.	...

SWEDISH NAVY—UNARMOURED SHIPS.

Class.	Names.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Dranght.	Lanched.	Speed.	Coal.	Armament.	Torpedoes.
				tons.		ft. in.	ft. in.	ft. in.		knots.	tons.		
<i>g.v.</i>	Blenda	Iron	2	500	590	167 4	25 11	9 2	1875	12	98	1 27-cm., 1 12-cm., 2 M.	...
<i>g.v.</i>	Diva	Iron	2	500	590	167 4	25 11	9 2	1877	12	98	1 27-cm., 1 12-cm., 2 M.	...
<i>g.v.</i>	Edda	Iron	2	640	960	180 5	27 8	9 6	1882	13	80	1 27-cm., 1 15-cm., 2 Q.F., 2 M.	...
<i>g.v.</i>	Rota	Iron	2	537	780	170 7	26 3	9 2	1878	13	80	1 27-cm., 1 12-cm., 2 M.	...
<i>g.v.</i>	Shaggald	Iron	2	537	780	170 7	26 3	9 2	1879	13	80	1 27-cm., 1 12-cm., 2 M.	...
<i>g.v.</i>	Skagul	Iron	2	537	780	170 7	26 3	9 2	1878	13	80	1 27-cm., 1 12-cm., 2 M.	...
<i>g.v.</i>	Skuld	Iron	2	537	780	170 7	26 3	9 2	1880	13	80	1 27-cm., 1 12-cm., 2 M.	...
<i>g.v.</i>	Urd	Iron	2	537	780	170 7	26 3	9 2	1877	13	80	1 27-cm., 1 12-cm., 2 M.	...
<i>g.v.</i>	Verdande	Iron	2	537	780	170 7	26 3	9 2	1879	13	80	1 27-cm., 1 12-cm., 2 M.	...
<i>corv.</i>	Balder	Wood	1	1,886	1,380	203 5	36 0	18 4	1870	12	200	2 15-cm. (Armstrong), 6 12-cm., 2 Q.F., 2 M.	...
<i>corv.</i>	Freja	Steel and wood	1	2,000	1,750	216 6	39 4	18 9	1885	12	180	4 15-cm. 8 12-cm., 4 Q.F., 4 M.	...
<i>corv.</i>	Saga	Wood	1	1,535	900	200 2	32 10	17 1	1878	11	170	1 15-cm. (Armstrong), 6 12-cm., 4 M., 2 L.	...
<i>c.r.</i>	Vanadis	Wood	1	2,136	1,400	209 11	42 7	20 1	1862	11	230	10 12-cm., 2 Q.F., 4 M.	...
<i>tor. ship</i>	Drott	Iron	2	630	960	173 10	26 3	9 6	1877	13	100	2 (Engström), Q.F. ...	3 f. tu. or 1. car.

Four Gunboats of 180 to 200 tons, of about 135 Ind. H.P.; armament, 1 12-cm. B.L.R., and 2 Machine.

One Gunboat of 280 tons, 450 Ind. H.P.; armament, 4 Quick Firing Guns.

Torpedo Ram (School Vessel), 195 tons displacement; 140 Ind. H.P.; about 10 knots.

Two Torpedo Gunboats, "Goudel" and "Gudur."

SWEDISH TORPEDO BOATS.

FIRST CLASS.

Boats.	Nos.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
3	Boats	60	600	114·4	12·4	6·4	18·0	12	2	1886	15	Stockholm.
1	Hugin (1)	65	620	113·0	12·5	6·2	19·0	12	2	1884	11	Chiswick.
*1	Gondul (9)... ..	...	...	...	...	...	...	...	2	1893	...	...
*1	Gudur (11)... ..	...	...	...	...	...	...	...	...	...	...	...
*1	Boat... ..	...	...	...	...	...	...	...	...	...	...	...
*10	Boats ... ..	...	...	...	...	...	...	...	...	...	...	...

* Almost impossible to get details of these Boats.

SECOND CLASS.

1	Agda (77)	40	450	100·4	11·3	5·8	19·0	12	2	1891	8	Carlskrona.
1	Agne (75)	40	450	100·4	11·3	5·8	19·0	12	2	1891	8	Stockholm.
1	Blink (61)	34	350	91·5	11·7	5·2	16·0	10	1	1882	8	„
1	Blixt (63)	40	360	100·4	11·6	5·4	18·0	12	2	1883	7	„
1	Bygve (71)... ..	41	360	103·2	11·6	5·8	18·0	12	2	1889	9	„
1	Bylgia (73)... ..	41	360	103·2	11·6	5·8	18·0	12	2	1889	9	„
1	Galdr (65)... ..	40	425	100·4	11·6	5·4	18·5	12	2	1885	8	„
1	Narf (67)	40	450	101·2	11·6	5·7	19·0	12	2	1886	8	„
1	Nörve (69)... ..	40	450	101·2	11·6	5·7	19·0	12	2	1886	8	„
1	Rolf... ..	34	390	91·5	11·7	5·2	17·0	10	1	1882	8	Chiswick.
1	Seid... ..	40	360	100·0	12·0	5·0	20·7	12	2	1882	8	„
*6	Boats ... ..	...	...	...	...	...	...	...	...	...	...	...

* Cannot obtain particulars.

THIRD CLASS.

6	{ 141, 143, 145, 147, } { 149, 151 ... }	21	80	55·0	10·7	4·1	10·0	10	2	1879-90	1·5	Stockholm.
1	Glimt (101)	5	60	58·0	7·6	3·0	18·0	7	2	1875	1·5	Chiswick.

DANISH NAVY—ARMoured SHIPS.

Class.	Names.	Material.	Propellers.	Displacement.	Ind. H. P.	Length.	Breadth.	Draught.	Belt.	Battery or Turret.	Backing and Deck Plating.	Launched.	Speed.	Coal.	Cost.	Armament.	Torpedoes.
<i>t.</i>	Helgoland ...	Iron	2	5,347 tons.	4,000	ft. 257 in. 6	ft. 59 in. 2	ft. 18 in. 8	in. 12	in. 10	in. 10	1878	knots 12	tons 230	£ 275,000	1 30½-cm. 36-ton (Krupp), 4 26-cm. 22-ton (Krupp), 5 12-cm., 10 m.	4 f. tu. or 1. car.
<i>t.</i>	Rolf Krake ...	Iron	1	1,344	750	ft. 185 in. 2	ft. 38 in. 3	ft. 10 in. 6	in. 4½	in. 4½	in. 1	1863	7·8	135	74,000	2 9-ton (Armstrong), 2 8·7-cm. (Krupp), 4 m.	...
<i>t.</i>	Skjold ...	Steel	1	2,150	2,200	ft. 226 in. 6	ft. 38 in. 0	ft. 13 in. 5	in. 9	8 to 4½	2	189	13	250	135,000	1 24-cm., 3 12-cm. (Krupp), 4 47-mm. Q.F., 1 m.	...
<i>c.d.t.s.</i>	Gorm ...	Iron	2	2,344	1,670	ft. 231 in. 0	ft. 40 in. 0	ft. 14 in. 0	in. 7	in. 8	in. 10	1870	12	115	104,000	2 18-ton (Armstrong) M.L.R., 2 8·7-cm. (Krupp), 4 m.	...
<i>c.d.t.s.</i>	Lindormen ...	Iron	2	2,076	1,560	ft. 216 in. 0	ft. 39 in. 5	ft. 13 in. 9	in. 5	in. 5	in. 9½	1868	12	120	93,000	2 13-ton (Armstrong) M.L.R., 3 8·7-cm. (Krupp), 4 m.	...
<i>c.b.</i>	Odin ...	Iron	1	3,083	2,260	ft. 237 in. 0	ft. 50 in. 0	ft. 15 in. 6	in. 8	in. 8	in. 10	1872	12½	180	147,000	4 18-ton (Armstrong), M.L.R., 4 8·7-cm. (Krupp), 7 m.	...
<i>b.</i>	Iver Hvitfeldt	Steel	2	3,260	5,100	ft. 242 in. 0	ft. 49 in. 6	ft. 18 in. 0	in. 12	in. 8	in. 2	1886	15½	250	200,000	2 26-cm. 28-ton (Krupp), 4 12-cm., 12 m.	4 f. tu. or 1. car.
<i>a.c.</i>	Absolon ...	Iron	1	527	500	ft. 150 in. 0	ft. 26 in. 0	ft. 10 in. 2	in. 2½	in. 2½	in. 6	1862	10	65	45,000	4 8·7-cm. (Krupp), 4 m.	...
<i>Torpedo Ship</i>	Tordenskiold ...	Steel	2	2,400	2,600	ft. 221 in. 6	ft. 43 in. 3	ft. 15 in. 6	...	in. 8	4-2	1880	14	170	138,900	1 52-ton (Krupp), 4 12-cm. do., 8 m.	4 f. tu. or 1. car.
<i>Torpedo School Ship</i>	Esbern Snare	Iron	1	527	500	ft. 150 in. 0	ft. 26 in. 0	ft. 10 in. 2	in. 2½	in. 2½	in. 6	1862	10	65	45,000	2 m., 2 l. ...	2 f. tu. or 1. car.

DANISH NAVY—UNARMOURED SHIPS.

Class.	NAME.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Cost.	Armament.	Torpedoes.
				tons.		ft. in.	ft. in.	ft. in.		knots.	tons.	£		
<i>corr.</i>	Dagmar (School Ship)...	Wood	1	1,193	800	173 10	33 10	16 0	1861	9.5	150	50,000	8 5½-in. 4¼-ton (Krupp), 4 M.	...
<i>g.v.</i>	Diana ...	Wood	1	556	500	154 6	26 3	10 2	1863	9.0	60	33,000	6 87-mm. (Krupp), 2 M.	...
<i>g.v.</i>	Falster ...	Iron	2	356	510	111 0	28 10	7 6	1873	9.8	20	33,000	1 20-ton (Armstrong), M.L.R., 2 87-mm (Krupp), 2 M.	...
<i>cr.</i>	Fyen ...	Steel (copper sheathed)	1	2,596	2,700	226 6	45 6	18 1	1882	13.0	290	170,000	4 15-cm. 4½-ton (Krupp), 14 15-cm. 3½-ton do., 8 M.	2 f. tu. or 1. car.
<i>g.v.</i>	Fylla ...	Wood	1	556	500	154 0	26 3	10 2	1862	9.0	60	33,000	6 87-mm. (Krupp), 2 M.	...
<i>cr.</i> (3rd class)	Geiser ...	Steel	2	1,280	3,000	257 6	27 6	13 0	1892	17.1	200	...	2 4.7-in. Q.F., 4 57-mm. do., 6 M.	4 l. car.
<i>cr.</i> (3rd class)	Heimdal ...	Steel	2	1,280	3,000	257 6	27 6	13 0	Bldg.	17.5	200	...	2 4.7 in. Q.F., 4 57-mm. do., 6 M.	4 l. car.
<i>cr.</i> (3rd class)	Hekla ...	Steel	2	1,280	3,000	233 0	32 10	11 2	1890	17.0	200	...	2 6-in. Q.F., 4 57-mm. do., 6 M.	4 l. car.
<i>g.v.</i>	Ingolf ...	Iron	1	870	600	192 0	28 0	12 6	1876	10.5	130	44,000	2 15-cm. (Krupp), 4 87-mm. do., 2 M.	...
<i>cr.</i>	Jylland (Reserve Ship)	Wood	1	2,457	1,350	200 3	44 3	19 5	1860	11.0	260	84,000	20 6-in. (Finspong) M.L.R., 6 12-cm. (Krupp), 4 M.	...
<i>g.v.</i>	Moen ...	Iron	1	356	523	111 0	28 10	7 6	1875	9.2	20	...	1 20-ton (Armstrong), M.L.R., 2 87-mm. (Krupp), 2 M.	...
<i>corr.</i>	Saint Thomas ...	Wood	1	1,572	1,870	224 0	33 0	17 0	1871	13.0	190	...	8 12-cm. (Krupp), 6 M.	...
<i>cr.</i>	Valkyrien ...	Steel	2	2,900	5,300	268 0	43 6	18 0	1887	17.0	450	...	2 21-cm. 10-ton (Krupp), 6 15-cm. do., 4 Q.F., 10 M.	5 f. tu. or 1. car.

Gunboats—Five 150 tons to 250 tons, 200 to 400 Ind. H.P.

DANISH TORPEDO BOATS.

FIRST CLASS.

Boats.	NAME OR NUMBER.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
	Delfinen	59	620	111.5	12.6	6.0	19.5	14	2	1883	9	Chiswick.
	Haien	32	350	94.0	10.5	5.0	21.0	12	1	1879	4	„
	Havhesten	94	1,200	137.9	14.0	7.0	22.5	20	4	1888	15	„
	Hvalrossen	64	660	114.0	12.6	6.5	19.0	14	2	1884	10	„
	Makrelen	112	1,200	140.0	14.2	7.0	23.0	20	2	1893	15	Copenhagen.
	Narhvalen	94	1,200	137.9	14.0	7.0	22.5	20	4	1888	15	Chiswick.
	Nord Kuperen	112	1,200	140.0	14.2	7.0	23.0	20	2	1893	16	Copenhagen.
	Sólóven	89	1,200	131.0	14.8	6.8	23.0	20	4	1887	14	Chiswick.
	Sólúven	37	450	94.8	10.9	3.9	18.0	12	2	1880	5	Havre.
	Springeren	80	800	119.0	13.0	4.9	18.0	20	2	1891	14	Copenhagen.
	Stóren	89	1,200	131.0	14.8	6.8	23.0	20	4	1887	14	Chiswick.
	Sværdfisken	49	600	110.0	12.0	6.0	20.5	14	2	1881	9	„

SECOND CLASS.

2	4, 5	15	150	63.0	7.5	2.5	16.5	6	2	1883	1	Chiswick.
2	6, 7	16	170	66.8	8.0	4.2	15.5	6	2	1884	1	„
2	8, 9	17	170	69.5	8.1	3.8	15.5	6	2	1886	1	„
2	10, 11	18	180	70.2	8.0	4.0	16.0	6	2	1888	1	„
2	12, 13	24	350	78.3	9.0	4.9	18.0	8	2	1889	3	„
*1	Boat...	...	...	58.0	7.5	3.0	16.0	...	...	1875	...	„

* Cannot fill in particulars.

GRECIAN NAVY—ARMOURED SHIPS.

Class.	NAVES.	Material.	Propellers.	Displacement.	Ind. H. P.	Length.	Breadth.	Draught.	Speed.	Coal.	Launched.	Armament.	Belt.	Battery.	Backing and Deck Plating.	Torpedoes.
<i>b.</i>	Hydra	Steel ...	2	4,885	7,000	ft. in. 320 0	ft. in. 51 10	ft. in. 18 0	knots. 17·0	tons. 500	1889	3 27-cm. (Canet), 5 15-cm. do., 7 57-mm. q.f., 16 m.	inches. 11 $\frac{3}{4}$ 3" above water.	inches. 13 $\frac{3}{4}$ & 11 $\frac{3}{4}$	ins. 2	3 f. tu. or 1. car.
<i>b.</i>	Psara ...	Steel ...	2	4,885	7,000	320 0	51 10	18 0	17·0	500	1890	3 27-cm. (Canet), 5 15-cm. do., 7 6-pdrs. q.f., 16 m.	11 $\frac{3}{4}$ 3" above water.	13 $\frac{3}{4}$ & 11 $\frac{3}{4}$	2	3 f. tu. or 1. car.
<i>b.</i>	Spetsai	Steel ...	2	4,885	7,000	320 0	51 10	18 0	17·0	500	1889	3 27-cm. (Canet), 4 15-cm. do., 7 6-pdrs. q.f., 16 m.	11 $\frac{3}{4}$ 3" above water.	13 $\frac{3}{4}$ & 11 $\frac{3}{4}$	2	3 f. tu. or 1. car.
<i>c.b.</i>	Basileus Georgios ...	Iron ...	2	1,774	2,400	200 2	32 10	15 6	12·0	210	1867	2 21-cm. 10-ton (Krupp), 2 m., 1 l.	7	6	9	...
<i>b.v.</i>	Olga	Wood	1	2,060	1,950	230 0	59 0	18 0	10·0	240	1869	4 17-cm. 5 $\frac{1}{2}$ -ton (Krupp), 2 17-cm. 3 $\frac{1}{2}$ -ton do., 4 m., 4 l.	4	4 $\frac{3}{4}$	2	...

TORPEDO BOATS.

Boats.	NAME.	Displacement.	Indicated H. P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
6	Boats	85	1,050	128 0	15 3	5 4	19·0	20	...	1885	20	...
6	"	48	600	100 0	12 0	4 2	19·0	12	2	1881	9	...
4	"	52	225	72 0	13 0	5 5	16 0	12	...	1880	10	...
5	"	35	500	89 0	11 0	3 1	17 5	9	...	1881	5	...
2	"	18	295	75 0	10 8	2 5	16 2	7	...	1878	1 $\frac{1}{2}$	...
7	"	21	300	83 0	12 0	2 7	16 0	7	...	1893	2	...

GRECIAN NAVY.—UNARMoured SHIPS.

Class.	Names.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Speed.	Coal.	Launched.	Armament.
		ft. in.	tons.	Ind. H.P.	ft. in.	ft. in.	ft. in.	knots.	tons.			
<i>g.v.</i>	Acheloos ...	Steel...	1	420	400	138 0	24 11	11 6	10·0	50	1884	2 9·6-cm. (Krupp), 3 m.
<i>g.v.</i>	Alpheos ...	Steel...	1	420	400	138 0	24 11	11 6	10·0	50	1884	2 9·6-cm. (Krupp), 3 m.
<i>g.v.</i>	Aphroessa ...	Iron ...	1	380	160	124 7	22 11	9 10	9·0	30	1858	1 8·7-cm. (Krupp).
<i>g.v.</i>	Eurotas ...	Steel...	1	420	400	138 0	24 11	11 6	10·0	50	1884	2 9·6-cm. (Krupp), 3 m.
<i>corr.</i>	Hellas ...	Wood	1	1,300	1,500	200 2	37 0	19 4	11·0	230	1878 (repaired) 1880	12 15-cm. (Krupp), 2 m. 2 m.
<i>cr.</i>	Mykale ...	Steel...	2	1,000	1,000	210 6	32 6	14 0	11·0	250		
<i>corr.</i>	Nauarchos Miaulis ...	Iron & wood	1	1,800	2,200	246 0	36 0	14 5	15·0	220	1879	3 17-cm. 5½-ton (Krupp), 1 17-cm. 3½-ton do., 2 m., 4 l. 1 8·7-cm. (Krupp).
<i>g.v.</i>	Nauplion ...	Iron ...	1	380	160	124 7	22 11	9 10	9·0	30	1856	1 8·7-cm. (Krupp).
<i>g.v.</i>	Paralos ...	Iron ...	1	380	204	123 0	23 11	9 10	8·0	60	1858	1 8·7-cm. (Krupp), 1 m.
<i>g.v.</i>	Peneus ...	Steel...	1	420	400	138 0	24 11	12 6	10·55	50	1884	2 9·6-cm. (Krupp), 3 m.
<i>g.v.</i>	Plixaura ...	Iron ...	1	380	160	124 7	22 11	9 10	9·0	55	1856	1 8·7-cm. (Krupp).
<i>g.v.</i>	Salaminia ...	Iron ...	1	380	200	123 0	23 11	9 10	8·0	60	1858	1 8·7-cm. (Krupp), 1 m.
<i>corr.</i>	Sfaktirea ...	Steel...	1	1,000	1,700	235 0	30 0	13 0	14·5	100	1885	2 10-cm. (Krupp), 2 m.
<i>g.v.</i>	Syros ...	Iron ...	1	380	160	124 7	22 11	9 10	9·0	18	...	1 8·7-cm. (Krupp).

Torpedo Dépôt Ship "Kanaris," 1,100 tons displacement, Ind. H.P. 500; 2 10-cm. (Krupp) guns, 2 Whitehead torpedo-launching guns on broadside, 2 under-water tubes ahead; speed, 14 knots.

Two Gunboats, "Ambrakia" and "Acteon," 440 tons, 380 Ind. H.P., 10 knots speed, with 1 26-cm. (Krupp), and 2 m. guns.

NORWEGIAN NAVY—ARMoured SHIPS.

Class.	NAMES.	Material.	Propellers.	Displacement.	Indicated H.P.	Length.	Breadth.	Draught.	Belt.	Turret.	Backng.	Launched.	Speed.	Coal.	Armament.
<i>c.d.A.</i>	Mjølner ...	Iron	1	1,515	450	203 5	45 11	11 10	5	12	39	1868	8	140	7 18-ton M.L.R. (Armstrong), 3 M., 1 l.
"	Scorpionen ...	Iron	1	1,447	350	202 2	45 11	11 6	5	12	39	1866	6	140	7 18-ton M.L.R. (Armstrong), 3 M., 1 l.
"	Thor ...	Iron	1	2,003	600	203 5	49 3	13 2	7	14½	38	1872	8	200	7 20-ton M.L.R. (Armstrong), 3 M., 1 l.
"	Thrudvang ...	Iron	1	1,515	500	200 2	45 11	11 10	5	12	39	1867	8	140	7 18-ton M.L.R. (Armstrong), 3 M., 1 l.
<i>a.g.b.</i>	NEW VESSEL ...	Steel	...	395											

UNARMoured SHIPS.

Class.	NAMES.	Material.	Propellers.	Displacement.	Indicated H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armament.	Torpedoes.
<i>g.v.</i>	Ellida ...	Wood	2	1,000	900	187 0	32 8	14 4	1880	12	97	5 15-cm. 4-ton, 1 12-cm., 2 M., 1 l.	1 f. tu. or 1. car.
"	Heimdal ...	Steel	2	630	700	167 3	26 9	11 8	1891	12	30	4 6½-cm. Q.F.	
"	Sleipner ...	Iron Steel, with belt of cellulose	2	580	800	173 10	25 11	9 6	1877	12	80	1 26-cm. 22-ton., 1 15-cm., 1 M.	1 f. tu. or 1. car.
"	Viking ...	Steel	2	1,113	2,000	203 6	30 6	13 0	1891	15	200	2 15-cm., 4 6½-cm. Q.F., 4 37-mm., 2 M....	3 l. car.
<i>g.b.</i>	Ægir ...	Steel	2	393	450	108 6	29 6	8 0	1892	9		1 21-cm., 1 7-cm. Q.F., 2 5-cm. do.	
<i>to.g.b.</i>	NEW VESSEL ...			380									
<i>corr.</i>	Nord Stjernen ...	Wood	1	1,609	800	216 6	39 4	17 9	1862	9	195	6 16-cm. 3-ton M.L.R., 10 8-in., 8 M., 3 l	
"	Nornen ...	Wood	1	959	240	172 0	36 4	15 9	1855	7	100	6 16-cm. and 6 12-cm., 3 3-pdrs. Q.F., 2 l.	2 l. car.

Nine Gunboats, from 180 to 190 tons, 200 to 450 Ind. H.P.; one large Gun and Machine Gun.
Sixteen small Gunboats of 55 tons; 70 Ind. H.P.; about 7 knots; armed with one 5½-in. Gun. Several Gunboat Launches.

BRAZILIAN NAVY—ARMOURED SHIPS.

Class.	NAMES.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armament.	Torpedoes.
<i>c.v.</i>	P. 1¹/₂ Almirante Tamandare	Steel (wood sheathed)	2	4,735 tons.	7,500	294 0	46 0	18 4	1890	17.0 knots.	750 tons.	10 15-cm. q.f., 2 12-cm. do., 8 m.	...
<i>to, g. b.</i>	Aurora ...	Steel (wood sheathed)	2	480	2,300	196 0	21 0	7 9	1893	18.0	150	2 20-pdrs. q.f., 4 3-in. do. ...	3 f. tu. or 1. car.
<i>c.v.</i>	P. Benjamin Constant ...	Steel (copper sheathed)	1	2,750	2,800	236 0	46 0	18 0	1892	14.0	260	4 6-in. q.f., 8 4-7-in. do., 10 smaller do. and m.	4 f. tu. or 1. car.
"	Guanabara ...	Wood	1	1,900	3,000	200 0	41 2	16 4	1877	13.0	...	9 70-pdrs. Whitworth, 6 m., 2 l.	...
"	Marinheiro ... (used as a Training Vessel)	Composite...	1	726	750	167 0	26 3	11 0	1883	9.0	...	6 12-cm., 1 9-cm. do., 4 m. ...	...
<i>c.v.v.</i>	Nitheroy (a) ...	Wood	1	1,800	1,000	192 0	41 0	16 0	1862	8.0	...	12 70-pdrs. Whitworth, 6 m.	...
"	Parnahyba ... (Torpedo School Ship)	Composite...	1	838	900	170 6	26 3	11 2	1878	10.0	...	5 4-7 Armstrong, 4 m.	...
<i>c.v.</i>	Primeiro de Marco ...	Composite...	1	726	750	167 3	26 3	10 6	1881	9.0	...	7 4½-in. Whitworth, 4 m. ...	...
"	P. 2¹/₁ Republica ...	Steel	2	1,300	3,500	210 0	35 0	13 0	1892	17.0	170	6 4-7-in. q.f., 4 6-pdrs. do., 6 m.	2 f. tu. 2 l. car.
<i>g. v.</i>	Tiradentes ...	Steel (wood sheathed)	2	800	1,200	165 0	30 0	11 0	1892	14.5	110	4 4-7-in. q.f., 3 6-pdrs. do., 4 m.	2 l. car.
<i>c.v.</i>	Trajano ...	Composite...	1	1,400	2,400	210 2	29 6	14 9	1873	13.0	...	7 4-7-in. Armstrong, 4 m. ...	...
"	P. New Ship ...	Steel	...	4,500	5,500	...	...	...	Bldg.	17.0	...	4 8-in. 12-ton, 10 6-in. q.f., 1 m.	...

Twin Screw Gunboats—"Guaranay," "Iniciadora," "Traipe," 250 to 330 tons, 160 to 260 Ind. H.P.; "Marajo," 450 tons, 400 Ind. H.P. Four River Gunboats of 210 tons, 200 Ind. H.P., and about 8 knots. Four Paddle River Gunboats—"Braconot," "Lamego," "Manaos," "Taquary."

BRAZILIAN NAVY—UNARMoured SHIPS.

Class.	Names.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armament.	Torpedoes.
<i>c.</i>	P. Almirante Tamandare	Steel (wood sheathed)	2	4,735 tons.	7,500	ft. in. 294 0	ft. in. 46 0	ft. in. 18 4	1890	knots. 17	tons. 750	10 15-cm. Q.F., 2 12 cm.-Q.F., 8 M.	...
"	P. Benjamin Constant	Steel (copper sheathed)	1	2,750	2,800	236 0	46 0	18 0	1892	14	260	4 6-in. Q.F., 8 4-7-in. Q.F., 10 smaller Q.F. and M.	4 f. tu. or 1. car.
"	Guanàbara	Wood	1	1,900	3,000	200 0	41 2	16 4	1877	13	...	9 70-pdrs. Whitworth, 6 M., 2 L.	...
"	Marinheiro (Training Ship)	Composite...	1	726	750	167 0	26 3	11 0	1883	9	...	6 12-cm., 1 9-cm. Q.F., 4 M. ....	...
"	Primeiro de Marco	Composite...	1	726	750	167 3	26 3	10 6	1881	9	...	7 4½-in. Whitworth, 4 M. ....	...
"	P. Republica	Steel	2	1,300	3,300	210 0	35 0	13 0	1892	17	170	6 4-7-in. Q.F., 4 6-pdrs. Q.F., 6 M.	2 f. tu. 2 l. car.
"	Trajanc	Composite...	1	1,400	2,400	210 0	29 6	14 9	1873	13	...	7 4-7-in. Armstrong, 4 M. ....	...
"	P. New Ship	Steel	2	4,500	5,500	...	...	...	...	17	...	4 8-in. 12-ton, 10 6-in. Q.F., 1 M.	...
<i>to, g. b.</i>	Aurora	Steel (wood sheathed)	2	480	2,300	196 0	21 0	7 9	1893	18	150	2 20-pdrs. Q.F., 4 3-in. Q.F.	3 f. tu. or 1. car.
<i>g. c.</i>	Tiradentes	Steel (wood sheathed)	2	800	1,200	165 0	30 0	11 0	1892	14½	110	4 4-7-in. Q.F., 3 6-pdrs. Q.F., 4 M.	2 l. car.
<i>corp.</i>	Nitheroy	Wood	1	1,800	1,000	192 0	41 0	16 0	1862	8	...	12 70-pdrs. Whitworth, 6 M. ....	...
"	Parnahyba (Torpedo School Ship)	Composite...	1	838	900	170 6	26 3	11 2	1878	10	...	5 4-7 Armstrong, 4 M. ....	...

Four Gunboats—"Guarny," "Iciciadora," "Traipe," 250 to 330 tons, 160 to 260 Ind. H.P.; "Marajo," 450 tons, 4 Ind. H.P. Four River Gunboats, 210 tons. 200 Ind. H.P., 8 knots speed. Paddle River Gunboats—"Bracconot," "Lamego," "Mamaos," "Taquary." A few Torpedo Boats.

ARGENTINE REPUBLIC—ARMoured SHIPS.

Class.	NAMES.	Propellers.	Tons.	Ind. H.P.	Length.	Breadth.	Draught.	(Armour.)			Speed.	Coal.	Armament.	Launched.	Torpedoes.
								Belt.	Battery.	Deck Plating.					
<i>c.b.</i>	Almirante Brown ...	2	4,200	4,500	240 0	50 0	20 6	in. 9	in. 8	in. 11 & 8	knots. 13 $\frac{3}{4}$	650	1880	2 f. tu. or 1. car.	
<i>*c.s.t.</i>	Andes ...	2	1,535	750	186 0	44 0	9 6	(comp.) 6	(comp.) 8	11 $\frac{1}{2}$	9	120	1875	2 f. tu. or 1. car.	
<i>c.d.s.</i>	Independencia ...	2	2,300	3,000	230 0	44 4	13 0	8	8	...	14 $\frac{1}{4}$	340	1891	2 f. tu. or 1. car.	
<i>c.d.s.b.</i>	Libertad ...	2	2,300	3,000	230 0	44 4	13 0	(comp.) 8	8	...	14 $\frac{1}{4}$	340	1890	2 f. tu. or 1. car.	
<i>c.d.s.t.</i>	Plata ...	2	1,535	750	186 0	44 0	9 6	(comp.) 6	8	11 $\frac{3}{4}$	9	120	1874	2 f. tu. or 1. car.	

* Ashore.

UNARMoured SHIPS.

Class.	NAMES.	Material.	Propellers.	Ind. H.P.	Displacement.	Length.	Breadth.	Draught.	Speed.	Coal.	Launched.	Armament.	Torpedoes.
<i>g.v.</i>	Argentina ...	Steel	1	820	850	192 0	27 0	13 0	12	220	1883	1 6-in., 6 7-cm. (Krupp), 4 m.	...
<i>to. g.b.</i>	Espora ...	Steel	2	520	3,250	210 0	25 0	8 0	20	100	1890	3 14-pdrs. 3-in. q.f., 4 3-pdrs. q.f., 2 m.	5 l. car.
<i>c.r.</i>	Nueve de Julio ... P. 4 $\frac{1}{2}$ " to 1 $\frac{3}{4}$ "	Steel	2	3,570	14,350	354 0	44 0	16 2	22 $\frac{3}{4}$	770	1892	4 6-in. q.f., 8-4 7-in. q.f., 12 3-pdr. q.f., 12 1-pdrs. q.f.	5 f. tu. or 1. car.
<i>c.r.</i>	Patagonia ...	Steel & wood	2	1,530	2,400	220 0	32 10	12 9	14	350	1885	1 10-in., 3 6-in., 10 m. 6 l.	...
<i>to g.b.</i>	Patria ...	Steel & wood	2	1,183	2,500	250 0	30 0	12 3	18	250	1893	2 47-mm. q.f., 4 8-in. q.f., 2 3-pdrs. q.f.	5 l. car.
<i>g.v.</i>	Parana ...	Iron	1	550	475	142 8	25 0	11 9	11	200	1874	2 6-in., 2 4 $\frac{1}{2}$ -in. ...	...
<i>c.r.</i>	25 de Mayo ... P. 4 $\frac{1}{2}$ " to 2"	Steel	2	3,200	13,800	325 0	43 0	16 0	22 $\frac{1}{4}$	600	1890	2 21-cm., 8 12-cm. q.f., 12 3-pdrs. q.f., 12 1-pdr. q.f.	3 l. car.
<i>g.v.</i>	Uruguay ...	Iron	1	550	475	142 8	25 0	11 9	11	200	1874	2 6-in., 2 4 $\frac{1}{2}$ -in. ...	...

Four gunboats (Rendal Class), 416 tons, 420 Ind. H.P.

JAPANESE NAVY.

ARMOURED SHIPS.

CENTRAL BATTERY CLASS.

FU-SOO (Iron). Twin Screw.

Length, 220 ft. Breadth, 48 ft. Draught, 18 ft. 4 in.
 Displacement, 3,718 tons. Indicated H.P., 3,500. Coal, 300 tons.
 Launched, 1877. Speed, 13 knots.
 Armour, belt, 7 in. Battery, 9 in.
 Armament, four 24-cm. 15-ton (Krupp). Two 17-cm. 6-ton (Krupp). Five Machine, four light.

BROADSIDE CLASS.

RIO-JO (Composite). One Screw.

Length, 213 ft. 3 in. Breadth, 34 ft. 5 in. Draught, 17 ft. 4 in.
 Displacement, 1,459 tons. Indicated H.P., 975. Coal, 350 tons.
 Launched, 1864. Speed, 9 knots.
 Armour, belt, 4½ in. Battery, 4 in.
 Armament, two 17-cm. 6-ton (Krupp). Six 70-pounders (Vavasseur). Two light.

TWO LARGE FIRST-CLASS BATTLE SHIPS.

YASHIMA and FUJI, A.D.T., 275 in. (Steel.) Twin Screws.

Length, 375 ft. Breadth, 73 ft. Draught, 27 ft. 5 in.
 Displacement, 12,500 tons. Indicated H.P., 14,000. Speed, 18 knots.
 Armour varies, 4 to 18 in. in thickness.
 Builders, 1st, Elswick, Newcastle; 2nd, Thames Iron Works, Isle of Dogs.
 Engines, Humphreys, Tennant & Co., Deptford.
 Armament, four 12-in. 46-ton Elswick B.L. guns in Barbette. Ten 6-in. 6½-ton Q.F. Steel Casements. Twenty-four 3-pounders (Hotchkiss) Q.F. Five torpedo tubes.

ARMED CRUISER CLASS.*** CHINYEN** (Steel). Twin Screw. (Barbette.)

Length, 308 ft. 5 in. Breadth, 59 ft. Draught, 20 ft.
 Displacement, 7,430 tons. Indicated H.P., 6,200. Coal, 1,000 tons.
 Launched, 1882. Speed, $14\frac{1}{2}$ knots.
 Armour, belt, 14 in. compound. Barbette, 12 in. compound. Backing 14 in. Deck Plating, 3 in.
 Armament, four 30½-cm. (Krupp). Two 15-cm. 4-ton (Krupp). Eight Machine, two light.
 Torpedoes, two Launching Carriages.

*** HEIYEN** (Steel). Twin Screw. (Coast Defence Ship.)

Length, 200 ft. Breadth, 40 ft. Draught, 16 ft.
 Displacement, 2,850 tons. Indicated H.P., 2,400. Coal, 400 tons.
 Launched, 1890. Speed, 11 knots.
 Armour, belt 8 in. Barbette and C. T. 5 in. Deck Plating, 2 in.
 Armament, one 10·2-in. (Krupp). Two 6-in. (Krupp). Eight Q.F.
 Torpedoes, four fixed tubes or Launching Carriages.

HI-YEI (Composite). One Screw.

Length, 231 ft. Breadth, 40 ft. 9 in. Draught, 17 ft. 4 in.
 Displacement, 2,200 tons. Indicated H.P., 2,490. Coal, 280 tons.
 Launched, 1878. Speed, 13 knots.
 Armour, belt, $4\frac{1}{2}$ in.
 Armament, three 17-cm. 3½-ton (Krupp). Six 15-cm. (Krupp).

KON-GO (Composite). One Screw.

Indicated H.P., 2,450. Launched, 1887. Speed, $13\frac{1}{2}$ knots.
 Otherwise same as *Hi-Yei*.

TSCHIYODA (Steel). Twin Screw.

Length, 308 ft. Breadth, 42 ft. 6 in. Draught, 14 ft.
 Displacement, 2,450 tons. Indicated H.P., 5,600. Coal, 240 tons.
 Launched, 1889. Speed, 19 knots.
 Armour, belt, $4\frac{1}{2}$ in. Deck Plating, 1 in.
 Armament, ten 12-cm., Q.F. Fourteen 4·7-cm., Q.F. Three Machine.
 Torpedoes, three Launching Carriages.

Two New Armoured Ships building.

* *Cheu-Yuen* and *Ping-Yuen* taken from Chinese.

JAPANESE NAVY.—UNARMoured SHIPS.

Class.	Names.	Material.	Propellers.	Displacement.	Incl. H.P.	Length.	Breadth.	Dranght.	Launched.	Speed.	Coal.	Armament.	Torpedoes.
<i>g.r.</i>	Akagi ...	Steel	...	615 tons.	700	ft. in. 164 0 27 0	ft. in. 10 0 10 0	ft. in. 10 0 18 5	1888	12.0 knots.	...	1 24-cm. (Krupp), 1 12-cm. do., 2 m.	...
<i>cr.</i>	Akitsushima ...	Steel	2	3,150	8,400	302 0 42 7	18 5	1892	19.0	19.0	...	1 32-cm., 12 12-cm. q.f., 6 m.	4 f. tu. or 1 car.
<i>cr.</i>	Amaki ...	Wood	1	1,030	720	200 0 29 6	13 9	1877	11.0	11.0	120	1 15-cm. (Krupp), 4 12 c-m. do., 2 m.	...
<i>corr.</i>	Asama (Training Ship) ...	Wood	1	1,104 (nom.)	300	206 9 33 9	10 10	...	...	...	...	8 17-cm. (Krupp), 4 4½-in. do. (Armstrong), 4 l.	...
<i>g.v.</i>	Atajo ...	Steel	...	615	700	164 0 27 0	10 0	1887	12.0	12.0	...	4 15-cm. (Krupp), 2 m.	...
<i>g.v.</i>	Banjo ...	Wood	1	595	550	154 0 25 0	12 0	1879	10.0	10.0	107	1 6-in., 2 4½-in. do., 1 m.	...
<i>corr.</i>	Fuziyama (Training Ship) ...	...	1	1,000 (nom.)	180	203 0 36 0	11 0	1865	13.0	13.0	...	2 15-cm. (Krupp), 1 6-inch (Armstrong), 10 l.	...
<i>d.r.</i>	Gwaki ...	Wood	1	600	650	146 4 25 3	12 2	1878	10.0	10.0	...	1 15-cm. (Krupp), 2 12-cm. do.	...
<i>c.d.s.</i>	Hasidate ...	Steel	2	4,277	5,400	295 0 50 10	21 2	1891	17.5	17.5	...	1 32-cm. (Canet), 11 12-cm. q.f., 6 3-pdrs. 6 m.	4f. tu. or 1 car.
<i>g.v.</i>	Ho Sho ...	Wood	1	320	240	120 0 24 0	9 6	1868	11.0	11.0	50	1 7-in. m.l.r., 1 5½-in., 1 l.	...
<i>c.d.s.</i>	Itsukusima ...	Steel	2	4,277	5,400	295 0 50 10	21 2	1889	17.5	17.5	...	1 32-cm. (Canet), 11 12-cm. do., 5 6-pdrs. q.f., 11 3-pdrs. (Hotchkiss), 6 m.	4 f. tu. or 1 car.
<i>cr.</i>	Kaimon ...	Wood	1	1,490	1,250	210 0 32 0	16 5	1882	12.0	12.0	...	1 17-cm. 6-ton (Krupp), 6 12-cm. do., 2 l.	...
<i>cr.</i>	Katsuraki ...	Composite	2	1,476	1,600	206 9 36 0	15 0	1885	13.0	13.0	...	2 17-cm. (Krupp), 5 12-cm. do., 2 m.	2 l. car.
<i>g.r.</i>	Maya ...	Composite	...	615	700	164 0 27 0	10 0	1886	12.0	12.0	60	4 15-cm. (Krupp), 2 m.	...
<i>c.d.s.</i>	Metsuchima ...	Steel	2	4,277	5,400	295 0 50 10	21 2	1890	17.5	17.5	...	1 32-cm. (Canet), 11 12-cm. do., 5 6-pdrs. q.f., and 11 3-pdrs. (Hotchkiss), 6 m.	4 f. tu. or 1 car.
<i>cr.</i>	Muzasi ...	Composite	2	1,476	1,600	206 9 36 0	15 0	1886	13.5	13.5	...	2 17-cm. (Krupp), 5 12-cm. do., 2 m.	2 l. car.

Six Alpha Beta Class Gun Boats taken from Chinese :—Chinnan, Chinhu-Ku, Clinton, Chinsai, Chipen, Chinchiu. Sokon Gunboat taken from Chinese, also One Gunboat and Six Torpedo Boats.

JAPANESE NAVY—UNARMoured SHIPS—continued.

Class.	Names.	Material.	Propellers.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armament.	Torpedoes.
				tons.		ft. in.	ft. in.	ft. in.		knots.	tons.		
<i>c.v.</i>	Naniwa ...	Steel ...	2	3,650	7,235	300 0	46 0	18 6	1885	18.72	800	2 26-cm. 28-ton (Armstrong), 6 15-cm. 5-ton (Krupp), 2 q.f., 10 m.	4 f. tu. or 1. car.
<i>c.v.</i>	Nis-chin ...	Wood ...	1	1,470	1,270	204 0	29 0	14 6	1869	11.0	217	1 7-in. m.l.r. (Armstrong), 5 12-cm. (Krupp).	...
<i>to.g.b.</i>	New Ship ...	Steel ...	...	875	...	240 0	27 6	...	Bldg	21.0	...	2 4.7 q.f., 4 3-pdrs. do. ...	5 f. tu. or 1. car.
<i>g.v.</i>	Oschima ...	Steel ...	...	640	1,200	...	...	...	1890	...	...	4 12-cm. q.f., 8 4.7-mm. do ...	...
<i>c.v.</i>	Sei-ki ...	Steel ...	1	810	720	200 0	30 0	13 2	1875	11.0	130	1 15-cm. (Krupp), 4 12-cm. do., 2 m.	...
<i>c.v.</i>	Takao ...	Steel and wood.	2	1,760	2,330	230 0	33 0	13 0	1888	15.0	300	4 6-in. q.f., 1 4.7-in. do. ...	2 f. tu. or 1. car.
<i>c.v.</i>	Takachiho ...	Steel ...	2	3,650	7,500	300 0	46 0	18 6	1885	18.72	800	2 26-cm. 28-ton (Armstrong), 6 15-cm. 5-ton do., 2 q.f., 10 m.	4 f. tu. or 1. car.
<i>c.v.</i>	* Saiyen ...	Steel ...	2	2,355	2,800	236 3	33 0	15 9	1883	15.0	230	2 21-cm. (Krupp), 1 15-cm. do., 9 m.	4 f. tu. or 1. car.
<i>to.g.b.</i>	Tatsuta ...	Steel ...	2	875	5,500	240 0	27 6	...	1894	20.0	200	2 4.7-in. q.f., 4 3-pdrs. do. ...	5 f. tu. or 1. car.
<i>to.g.b.</i>	Ten-rio ...	Wood ...	1	1,490	1,250	200 0	32 0	16 5	1882	12.0	256	1 17-cm. 6-ton (Krupp), 6 12-cm. do., 2 l.	...
<i>g.v.</i>	Tiokai ...	Steel ...	...	615	700	154 0	27 0	10 0	1887	10.0	...	1 21-cm. (Krupp), 1 12-cm. do., 2 m.	...
<i>g.v.</i>	Tisima ...	Steel ...	...	700	750	151 0	26 3	16 0	1889	...	...	...	...
<i>cov.</i>	Tsukuba (Training Ship for Cadets)	Wood ...	1	1,980	350	194 0	36 0	18 0	1883	...	...	8 guns... ..	...
<i>to.g.b.</i>	* Kouhei ...	Steel ...	2	1,100	3,400	...	...	...	1891	...	...	1 15-cm. 1 12-cm. 4 m. ...	...
<i>c.v.</i>	Tsukushi ...	Steel ...	2	1,500	2,887	210 0	32 0	15 0	1882	17.0	250	2 10-in. 25-ton (Armstrong), 4 4-in. do., 4 m., 2 l. ...	2 f. tu. or 1. car.
<i>c.v.</i>	Yaeyama ...	...	2	1,600	5,400	315 0	34 6	15 0	1889	20.0	...	3 12-cm., 6 m. ...	2 l. car.
<i>c.v.</i>	Yamato ...	Steel ...	1	1,476	1,600	206 9	36 0	15 0	1885	13.5	...	2 17-cm. (Krupp), 5 12-cm. do., 8 m.	2 f. tu. or 1. car.
<i>c.v.</i>	Yoshino ...	Steel ...	2	4,150	15,000	350 0	46 6	17 0	1892	23.03	1,000	4 6-in. q.f., 8 4.7-in. do., 22 3-pdrs. do.	5 f. tu. or 1. car.

* Tsi-Yuen, Kong-bin, both taken from the Chinese.

Several Ships in course of construction.

Two Torpedo Paddle-boats, displacement 1,200 and 1,500 tons, Ind. H.P. 1,200 and 1,400.

JAPANESE TORPEDO BOATS.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	Kotaka	190	1,400	163·0	15·0	5·0	19·0	40	6	1883	50	Poplar.
10	Boats	56	525	114·7	10·3	3·0	20·0	13	2	1889	10	Creusot.
7	Boats	55	525	114·7	10·6	6·0	20·0	13	2	1889	10	Kobe.
4	Boats	40	620	100·0	12·5	5·5	20·0	10	2	1879	3	Poplar.
1	Boat	75	1,300	118·0	13·2	8·7	23·0	21	2	1891	10	Normand.
*16	Boats	30	250	90·0	10·3	4·7	19·0	7	2	1892-93	3	Onohama.
2	Boats	90	1,300	125·0	16·0	5·0	23·0	24	3	1891	24	Elbing.
†6	Boats ... ..	...	...	...	...	...	...	...	...	...	...	...

* One Boat was lost in 1893.

† The last Six Boats taken from the Chinese during the last war.

CHINESE TORPEDO BOATS.

FIRST CLASS.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	Boat	128	1,600	144·3	16·4	7·5	24	20	2	1886	15	Elbing.
1	Boat	69	1,000	128·0	13·0	5·0	24	28	3	1887	15	Poplar.
25	Boats	65	1,000	110·0	13·0	4·9	19	16	3	1886-87	10	Stettin, &c.
2	Boats	28	650	86·0	10·4	3·4	18	16	2	1883	12	Stettin.
1	Boat ... ..	...	...	123·5	21·7	...	19	16	5	1884	...	..

SECOND CLASS.

11	Boats	27	400	85·0	11·9	4·8	19	10	1	1885-86	5	Elbing.
2	Boats ... ..	...	...	52·0	6·7	3·3	19	...	...	...	...	China.

CHINESE NAVY—ARMoured SHIPS.

The Chinese Navy is divided into Five Fleets, viz.: Canton, Foo-chow, Shang-hai, Peiho and North Coast.

Class.	NAME.	Material	Screws.	Displacement.	Ind. H.P.	Length.		Breadth.	Draught.		Launched.	Speed.	ARMOUR.			Coal.	Torpedoes.		
						ft.	in.		ft.	in.			Belt.	Barbette.	Deck Plating.				
b.	King-Yuen ...	Steel	2	2,850	3,600	270	0	40	0	16	6	1887	16.5	9½	6 comp.	3 in.	2 8½-in. 10 ton, 2 6-in. 4 ton, 7 M.	325	1 f. tu. (sub) 3 l. car.
b.	Lai-Yuen ...	Steel	2	2,850	3,600	270	0	40	0	16	6	1887	16.5	9½	8 comp.	3 in.	2 8½-in. 10 ton, 2 6-in. 4 ton, 7 M.	325	"
b.	Ting-Yuen ...	Steel	2	7,430	6,200	308	5	59	0	20	0	1881	14.5	14 comp.	12 comp.	3 in.	4 30½-cm., (Krupp), 2 15-cm. 4 ton, 8 M., 2 L.	1,000	2 l. car.
a.g.b.	Ting-Sing ...	Wood	2	200	340	105	0	20	4	7	0	1875	10.0	1½	3	5 in.	1 17-cm. (Krupp), 3 light.	100	"

UNARMoured SHIPS.

Class.	NAME.	Material.	Screws.	Displacement.	Ind. H.P.	Length.		Breadth.	Draught.		Launched.	Speed.	Coal.	Torpedoes.	
						ft.	in.		ft.	in.					
cr.	Chin-Yuen ...	Steel	2	2,300	5,500	250	0	38	0	15	0	1886	18	450	4 f. tu. or 1 car.
cr.	Ching-Yuen ...	Steel	2	2,300	5,500	250	0	38	0	15	0	1886	18	450	4 f. tu. or 1 car.
cr.	Foo-Ching ...	Steel	2	2,500	2,400	253	0	36	2	18	0	1890	15	"	"

CHINESE NAVY--UNARMOURED SHIPS--continued.

Class.	NAME.	Material.	Screws.	Displacement.	Ind. H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Armament.	Torpedoes.
				tons.		ft. in.	ft. in.	ft. in.		knots.		tons.
<i>cr.</i>	Foo-Chow	Steel	2	1,300	1,600	223 0	32 0	13 3	1887	13	2 6-in. (Armstrong), 4 l.	...
<i>cr.</i>	Foo-Sing	Steel	2	2,200	2,400	253 0	36 2	18 1	1893	14	2 8-in. (Armstrong), 8+7-in. q.f., 4 m.	1 l. car.
<i>cr.</i>	Hai-An	Wood	1	2,630	1,750	300 0	42 0	21 0	1872	12	2 24-cm. (Krupp), 2+12-cm. do., 4 m.	1 l. car.
<i>cr.</i>	Huan-Tai	Steel	2	1,300	1,600	223 0	32 10	13 3	1888	15	2 15-cm. (Krupp), 5 12-cm. do., 4 m.	2 f. tu. or 1. car.
<i>cr.</i>	Kai-Chih	Steel	2	2,450	3,000	259 0	39 4	15 2	1884	15	2 21-cm., 6 15-cm., 6 m., 5 l.	...
<i>cr.</i>	Kuang-Ki	Steel	2	1,030	2,400	236 0	27 6	11 4	1891	16½	3 12-cm. q.f., 8 m.	4 l. car.
<i>cr.</i>	Kuang-King	Steel & Wood	2	1,030	2,400	236 0	27 6	11 4	1891	16½	3 12-cm. q.f., 8 m.	4 l. car.
<i>cr.</i>	Kuang-Ting	Steel & Wood	2	1,030	2,400	236 0	27 6	11 4	1890	16½	3 12-cm. q.f., 8 m.	4 l. car.
<i>cr.</i>	Nan-Schuin	Steel	2	2,200	2,400	253 0	36 2	18 2	1884	15	2 8-in. (Armstrong), 8+7-in. q.f., 4 m.	1 l. car.
<i>cr.</i>	New-Vessel	Steel	2	2,200	2,400	253 0	36 2	18 2	Bldg.	15	2 8-in. (Armstrong), 8+7-in. q.f., 4 m.	...
<i>cr.</i>	Nan-Thin	Steel	1	2,200	2,400	253 0	36 2	18 2	1883	15	2 8-in. (Armstrong), 8 4+7-in. q.f., 4 m.	1 l. car.
<i>cr.</i>	Tshao-Yong	Steel	2	1,350	2,677	210 0	32 0	15 8	1881	16½	2 10-in. (Armstrong), 4+7-in. q.f., 7 m.	3 f. tu. or 1. car.
<i>cr.</i>	Yang-Pao	Steel	2	2,500	2,400	253 0	36 3	18 2	1883	15	3 8-in. 10 ton, 7 4½-in. (Krupp)	...
<i>cr.</i>	Yang-Wai	Steel	2	1,350	2,550	210 0	32 0	15 8	1881	16	2 10-in. 25 ton (Armstrong), 4+7-in. q.f., 7 m. 2 l.	3 f. tu. or 1. car.
<i>cr.</i>	Ye-Sing	Steel	1	2,500	2,400	253 0	36 2	18 3	1888	15	3 8-in. 10 ton, 7 4½-in. (Krupp)	...
<i>g.v. to</i>	Tshen-Hai	Wood	1	578	480	160 10	26 3	10 6	1872	10	1 6½-ton (Armstrong) M.L.R., 4 5-in.	...
<i>g.b.</i>	(X)	Steel	2	450	2,700	200 0	23 0	8 3	1888	19	1 4-in. 4 m.	4 l. car.
<i>cr.</i>	Kong-Hi	Steel	2	1,100	3,400	...	...	...	1891	20	1 15-cm., 1 12-cm., 4 m.	...

Several Ships lost in late war of 1894. Eleven Gun Boats from 325 to 450 tons, 230 to 500 H.P. (Hendel's System). Thirteen Gun Boats from 100 to 350 tons (Canton Flotilla). Six Floating Batteries with 3 12-ton Armstrong Guns and wooden fixed deck. A large number of others taken by Japanese.

CHILIAN NAVY.

ARMoured SHIPS.

CENTRAL BATTERY.

ALMIRANTE COCHRANE (Iron). Twin Screw.

Length, 210 ft. Breadth, 45 ft. 9 in. Draught, 19 ft. 8 in.
 Displacement, 3,500 tons. Indicated H.P., 2,920. Coal, 500 tons.
 Launched, 1874. Speed, 13 knots.
 Armour, belt, 9 in. Battery, 8 in. Backing, $7\frac{3}{4}$ in. Deck Plating, 3 in.
 Armament, six 8-in. 14-ton (Armstrong). Four 6-pounders, Q.F. Four 3-pounders, Q.F. Seven
 Machine.
 Torpedoes, three fixed tubes or Launching Carriages.

CAPITAN PRAT (Steel Sheathed and Coppered). Twin Screw. Barbette.

Length, 328 ft. Breadth, 60 ft. 8 in. Draught, 21 ft. 10 in.
 Displacement, 6,900 tons. Indicated H.P., 12,000. Coal, 400 tons.
 Launched, 1890. Cost, £391,000 (about). Speed, 18 knots.
 Armour, belt, 12 in. (Steel). Battery, 4 in. Barbette, $10\frac{1}{2}$ in. Deck Plating, 3 in.
 Armament, four 24-cm. (Canet). Eight 12-cm., Q.F. (Canet). Six 57-mm. (Canet). Four 47-mm.
 (Canet). Ten 37-mm. (Canet). Five Machine.
 Torpedoes, four fixed tubes or Launching Carriages.

TURRET CLASS.

HUASCAR (Iron). One Screw.

Length, 200 ft. Breadth, 35 ft. Draught, 15 ft. 6 in.
 Displacement, 1,800 tons. Indicated H.P., 1,050. Coal, 250 tons.
 Launched, 1865. Speed, 12 knots.
 Armour, belt, $4\frac{1}{2}$ in. Turret, $5\frac{1}{2}$ in. Backing, 14 in. Deck Plating, $1\frac{1}{2}$ in.
 Armament, two 8-in. 13-ton. Two 4.7-in., Q.F. Three Machine, four light.
 Taken from the Peruvians.

Fought "Shah" and "Amethyst," English Ships.

CHILIAN NAVY.—UNARMoured SHIPS.

Class.	NAMES.	Material.	Propellers.	Displacement.	Indicated H.P.	Length.	Breadth.	Draught.	Launched.	Speed.	Coal.	Armaments.	Torpedoes.
<i>corr.</i>	Abtao	Composite	1	1,370 tons.	1,000	227 0	29 6	15 6	1864	9.0 knots.	300	1 7.5-pdr., 4 6-pdrs., Q.F., 4 M. ...	...
<i>to-g.b.</i>	Almirante Condell	Steel	2	750	4,500	240 0	27 6	9 6	1890	21.0	100	3 14-pdrs., Q.F., 4 3-pdrs., Q.F., 2 M. ...	5 1. car.
"	Almirante Lynch ...	Steel	2	750	4,500	240 0	27 6	9 6	1890	21.0	100	3 14-pdrs., Q.F., 4 3-pdrs., Q.F., 2 M. ...	5 1. car.
<i>cr.</i>	Blanco Encalada ...	Steel	2	4,400	14,500	370 0	46 6	18 6	1893	22.5	900	28 in., 10 6-in., Q.F., 12 3-pdrs., Q.F., 12 1-pdrs., Q.F. ...	5 f. tu. or 1. car.
<i>g.b.</i>	Pilcomayo	Wood	1	790	180 (nom.)	171 0	27 4	13 0	1874	9.0	200	2 70-pdrs., B.L.R., 2 40-pdrs., Q.F., (all Armstrong), 3 M. ...	2
"	Magellanes	Composite	2	800	1,230	190 0	28 0	14 9	1874	11.0	300	2 6-in., 1 7-in., M.L.R., 6 M., 2 light. ...	2
"	O'Higgins	Wood	1	1,470	1,200	218 6	33 4	17 4	1866	10.0	200	2 70-pdrs., 2 12-pdrs., 4 M. ...	...
<i>cr.</i>	Presidente Errázuriz	Steel	2	2,080	5,400	268 0	35 9	19 6	1890	19.0	500	4 15-cm., Q.F. (Canet), 2 12-cm., Q.F., 4 57-mm., Q.F., 6 M. ...	3 1. car.
"	Presidente Pinto ...	Steel	2	2,080	5,400	268 0	35 9	19 6	1890	19.0	500	Similar ...	3 1. car.

Five Gunboats of 420 tons, from 8 to 10 knots.

CHILIAN TORPEDO BOATS.

FIRST CLASS.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	Fresia	25	400	86.0	12.5	4.0	19½	15	4	1881	5	Poplar.
1	Lauca	25	400	86.0	12.5	4.0	19½	15	4	1881	5	„
1	Quidora	25	400	86.0	12.5	4.0	19½	15	4	1881	5	„
1	Glaura	35	400	100.0	12.5	3.2	18½	15	4	1881	9	„
1	Guale	35	400	100.0	12.5	3.2	18½	15	4	1881	9	„
1	Jenequeo	35	400	100.0	12.5	3.2	18½	15	4	1881	9	„
1	Rucamilla	35	400	100.0	12.5	3.2	18½	15	4	1881	9	„
1	Tequalda	35	400	100.0	12.5	3.2	18½	15	4	1881	9	„
1	Sergente Aldea ...	70	800	125.0	13.5	5.5	20	18	4	1886	15	„

SECOND CLASS.

1	Colocolo	5	40	50.0	9.0	1.5	16	5	2	1880	1	East Cowes.
1	Tucapel	5	40	50.0	9.0	1.5	16	5	2	1880	1	
1	Boat	5	40	50.0	9.0	1.5	16	5	2	1887	1	
1	Boat	15	270	60.0	9.6	5.0	19	7	1	1892	2	

ROUMANIAN TORPEDO BOATS.

FIRST CLASS.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	Monteano	55	500	120.7	11.3	6.9	21.0	16	2	1893	12	Havre.
1	Naluka	55	500	120.7	11.3	6.9	21.0	16	2	1888	12	„
1	Olteano	55	500	120.7	11.3	6.9	21.0	16	2	1893	12	„
1	Sborul	55	500	120.7	11.3	6.9	21.0	16	2	1888	12	„
1	Smeo	55	500	120.7	11.3	6.9	21.0	16	2	1893	12	„
1	Smeul	55	500	120.7	11.3	6.9	21.0	16	2	1888	12	„

SECOND CLASS.

1	Szimul	15	150	63.0	8.0	3.0	16.5	8	...	1882	1	Poplar.
1	Vulturul	15	150	63.0	8.0	3.0	16.5	8	...	1832	1	„

NORWEGIAN TORPEDO BOATS.

FIRST CLASS.

Boats.	NAMES.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
1	Lyn	36	430	94.2	9.7	2.5	18.0	7	1	1882	3	...
1	Od	40	450	97.5	11.2	5.6	18.0	7	1	1882	3	...
2	Orm Otter	40	500	108.2	12.2	5.6	26.0	10	2	1887	3	...
2	Pil Rask	40	500	101.7	11.8	5.6	20.0	10	2	1887	3	...
1	Snar	40	500	104.9	11.8	5.6	20.0	10	2	1887	3	...
1	Springer	40	450	97.5	12.6	5.6	19.0	10	2	1887	3	...

SECOND CLASS.

1	Rasp	16	200	58.0	7.5	3.9	18.0	7	2	1873	1	Chiswick.
1	Ulven	16	100	56.0	7.5	3.9	10.0	7		1878	1	...

PORTUGUESE TORPEDO BOATS.

Boats.	NAMES OR Nos.	Displace- ment.	Indicated H.P.	Length.	Breadth.	Draught.	Speed.	Compt.	Tubes.	Launched.	Coal.	Where Built.
5	5 to 9 ... ..	...	...	...	...	...	...	...	...	1890-92	10	Elbing.
1	Espadarte	31	450	86.0	11.0	5.0	19.7	10	2	1881	18	Poplar.
3	2, 3, 4	60	700	120.0	12.5	5.5	20.0	16	2	1886	8	Poplar.
1	Fulminante	40	150	75.0	15.0	2.6	11.5	1880	...	Blackwall.
1	Boat... ..	25

SUBMARINE.

1	Plongeur	72.1	11.5	.	6
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NAVIES OF SMALLER POWERS.

BELGIUM.

Thirteen Steam Vessels from 400 to 600 tons.

BULGARIA.

Fourteen Steamers, three of which are small Gunboats.

EGYPT.

A few small Steamers.

HAYTI.

Eight Vessels made up thus : One Iron Corvette, Three Sloops, One Gun Vessel, Three Gunboats.

LIBERIA.

Two Gunboats.

MEXICO.

One Vessel of 1,200 tons, 1,300 H.P., 15 knots, and armed with Four 12-c.m., Four Q.F. Guns.

Two Gun Vessels of 450 tons and 11 knots, armed with Two 6½-inch Muzzle Loaders, and Two Small Guns. Two Gunboats. Five Torpedo Boats.

MOROCCO.

One Cruiser.

PERSIA.

One Vessel of 1,200 tons and ten knots speed, armed with Five small Breech-loading Guns.

PERU.

One Vessel of 1,700 tons, 1,800 H.P., 16 knots speed, armed with Two 6 in. Breech-loading Rifled Guns, and Two small Steamers.

ROUMANIA.

Elizabeta, Protected Cruiser. Displacement, 1,320. I.H.P. 4,500. Length, 220 ft. Breadth, 32 ft. 10 in. Speed, 18 knots. Armament, Four 17-cm. B.L.R., Four Q.F. Four Machine. Four Torpedo Tubes.

Coast Guard Vessels, the *Olthul*, *Siretul*, and *Bistrite*.

Seven Gunboats. One Screw Steamer.

SARAWAK.

Two Gunboats from 120 to 180 tons.

SIAM.

Two Corvettes. Three Gun Vessels. Four Gunboats.

One Protected Cruiser, 2,500 tons. Speed 18 knots. Four 12-cm., Q.F. Ten 6-pounders, Q.F.

URUGUAY.

Three Gunboats, *General Artiga*, 274 tons. Speed, 12½ knots. Two 12 cm. (Krupp). Two Machine. *General Rivera*, 300 tons. Speed, 12 knots. One 15-cm. One 6-cm.; and the *General Jaurez*.

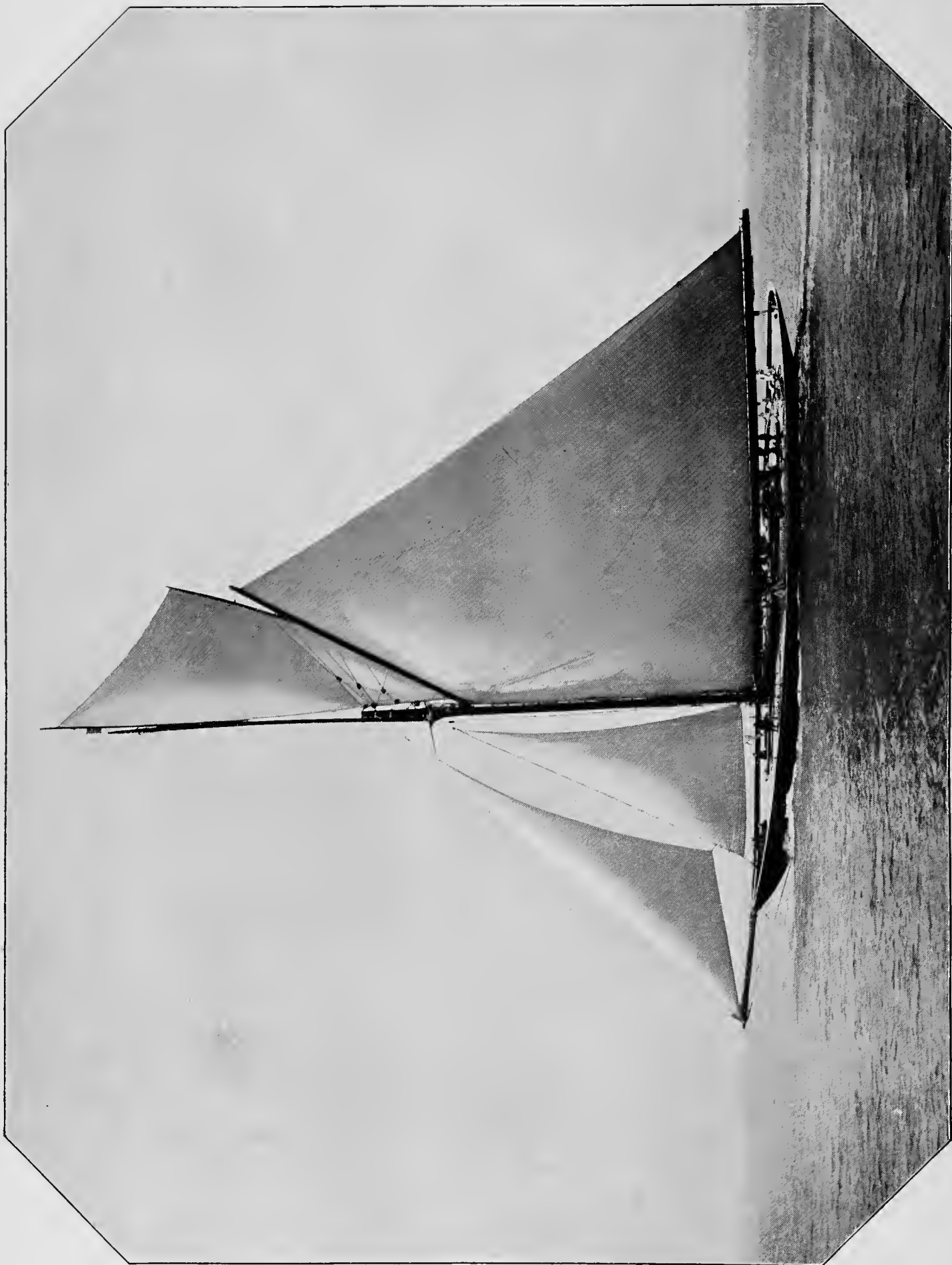
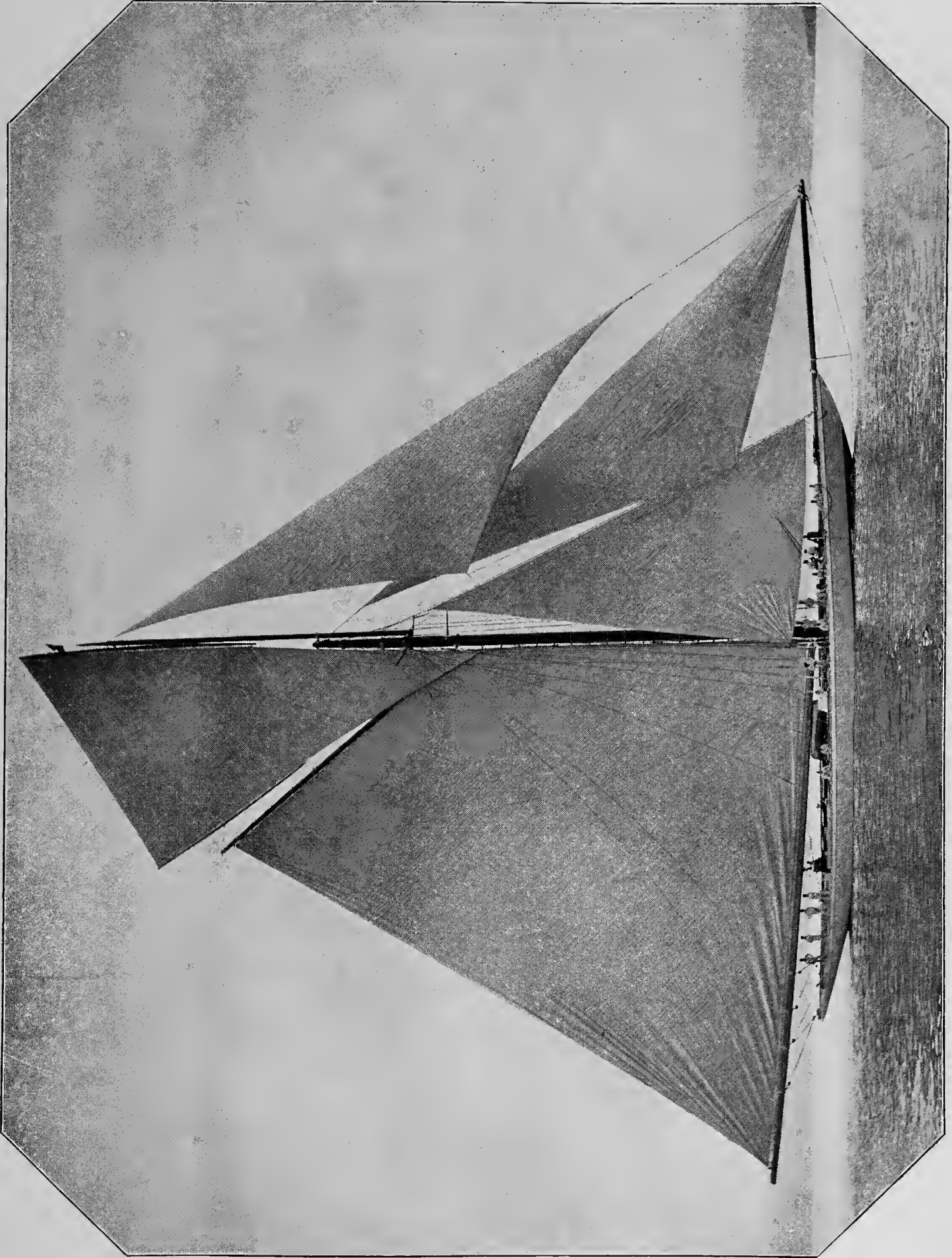


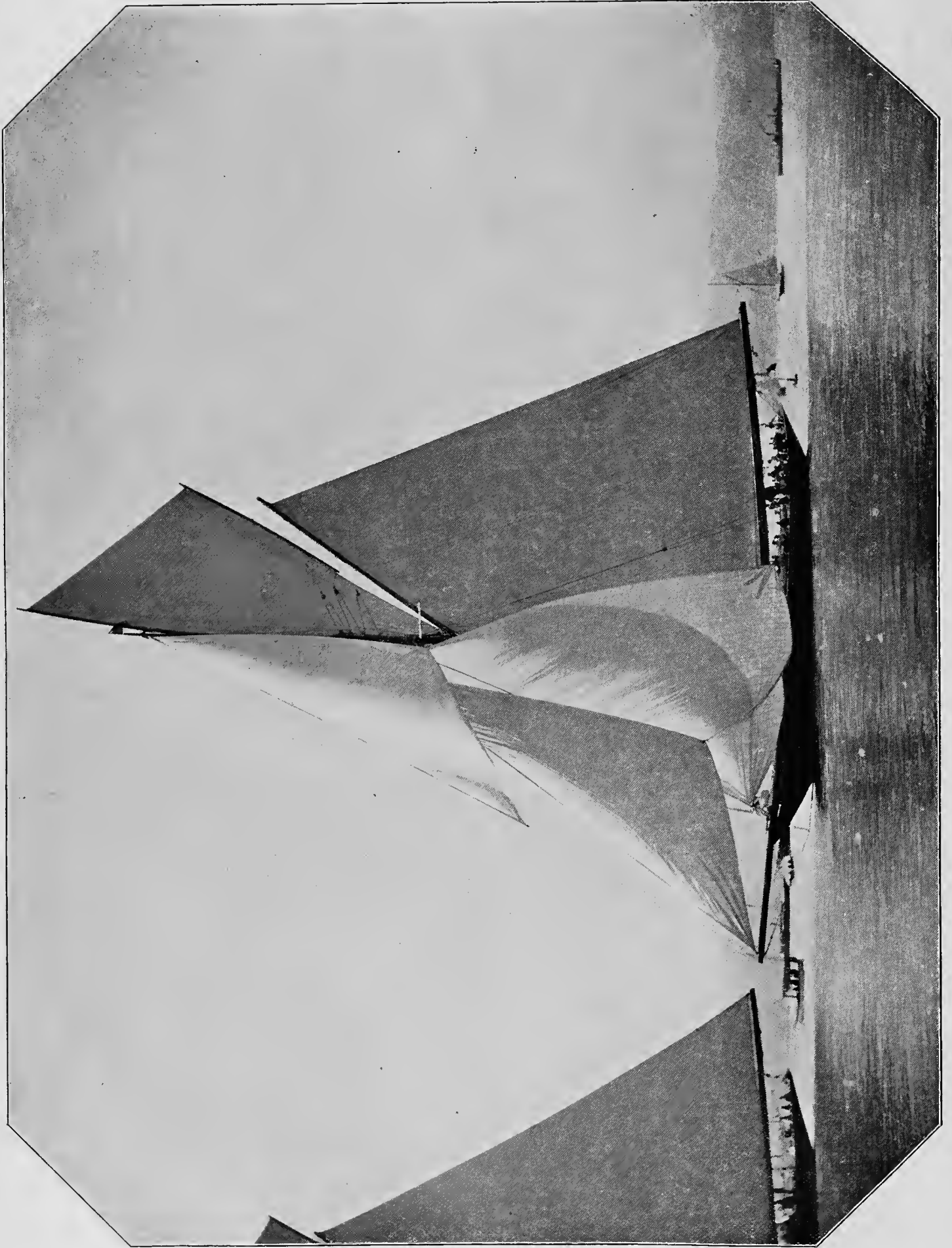
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"BRITANNIA."



"VALKYRIE III."

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"AILSA,"

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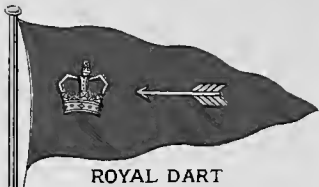
Colours of the Principal Yachting Clubs.



ROYAL ALBERT



CHESHIRE



ROYAL DART



ROYAL FORTH



ALEXANDRA



ROYAL CINQUE PORTS



ROYAL DEE



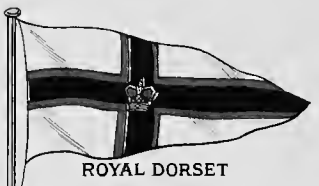
FORTH CORINTHIAN



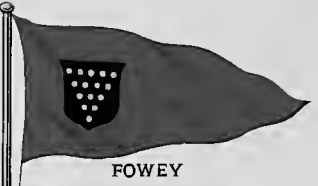
ROYAL ALFRED



ROYAL CLYDE



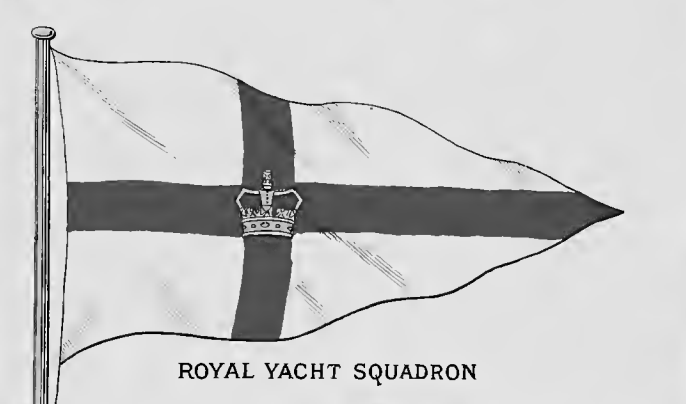
ROYAL DORSET



FOWEY



ROYAL ANGLESEY



ROYAL YACHT SQUADRON



ROYAL GALWAY



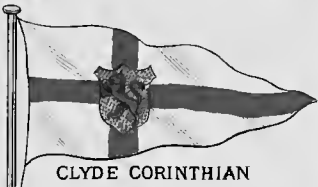
BANGOR CORINTHIAN



ROYAL HARWICH



ROYAL BARROW



CLYDE CORINTHIAN



ROYAL EASTERN



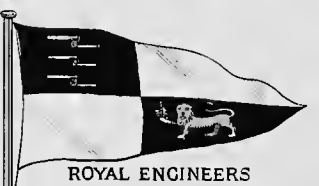
ROYAL HIGHLAND



BRISTOL CHANNEL



ROYAL CORINTHIAN



ROYAL ENGINEERS



HYTHE



CAMBRIDGE UNIVERSITY CRUISING



ROYAL CORK



ESSEX



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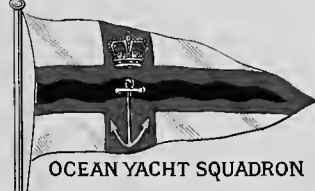
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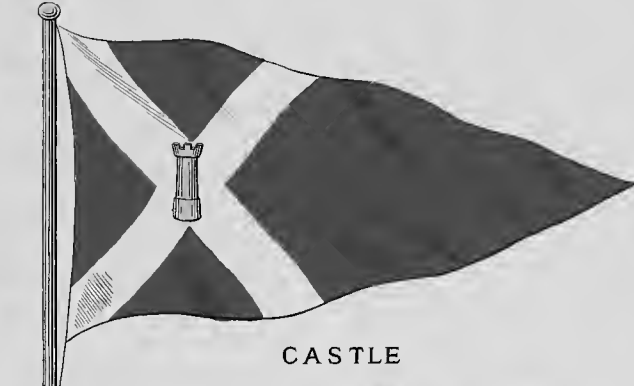
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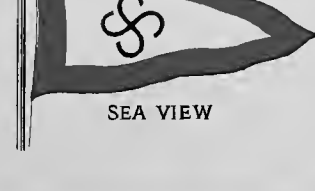
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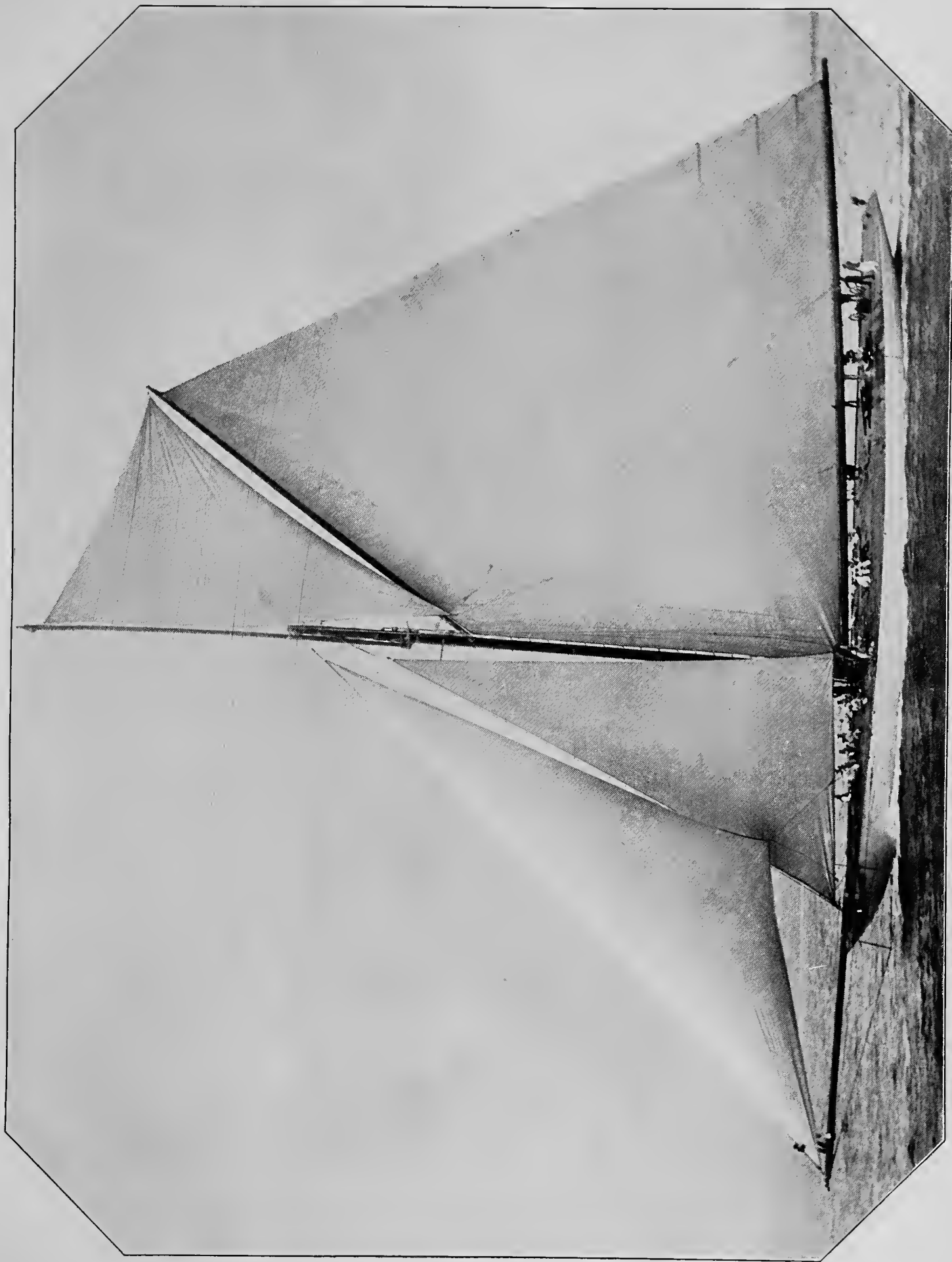


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"DEFENDER."



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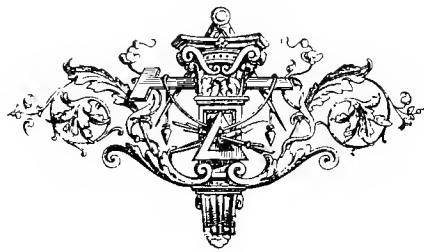
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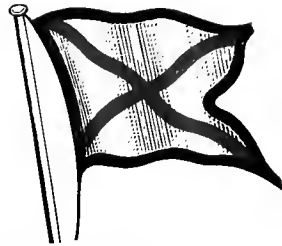
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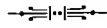
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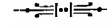
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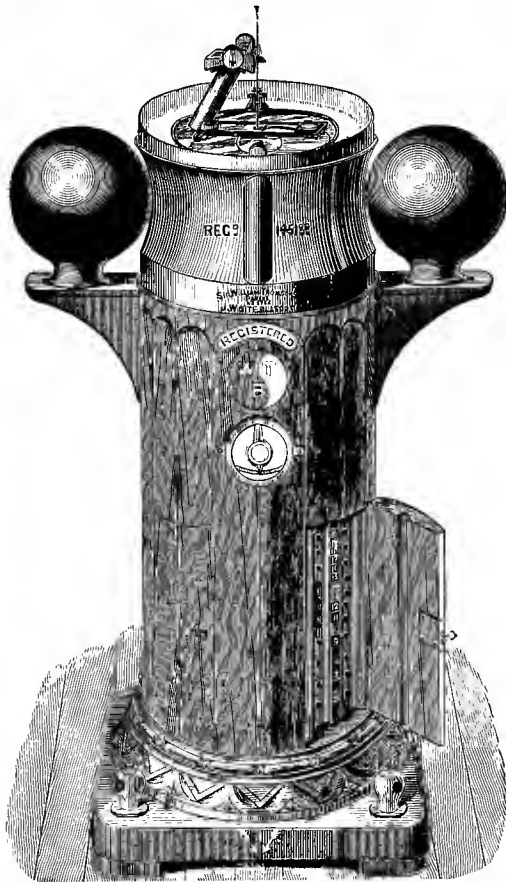
The following is a list of the WHITE STAR Fleet of Steamships:—

	STEAMER.	Gross Tonnage.
<i>Atlantic Mail Service :</i>	" MAJESTIC " (Twin Screw)	10,000
	" TEUTONIC " (Twin Screw)	10,000
	" GERMANIC "	5,066
	" BRITANNIC "	5,004
	" ADRIATIC "	3,887
<i>Colonial Service :</i>	" GOTHIC " (Twin Screw)	7,720
	" IONIC "	4,748
	" DORIC "	4,784
<i>Pacific Service :</i>	" COPTIC "	4,448
	" GAELIC "	4,205
	" BELGIC "	4,211
	" OCEANIC "	3,807
<i>Atlantic Cargo and Live Stock Service :</i>	" GEORGIC " (Twin Screw)	10,077
	" CEVIC " (Twin Screw)	8,301
	" BOVIC " (Twin Screw)	6,583
	" TAURIC " (Twin Screw)	5,728
	" NOMADIC " (Twin Screw)	5,749
	" CUFIC "	4,639
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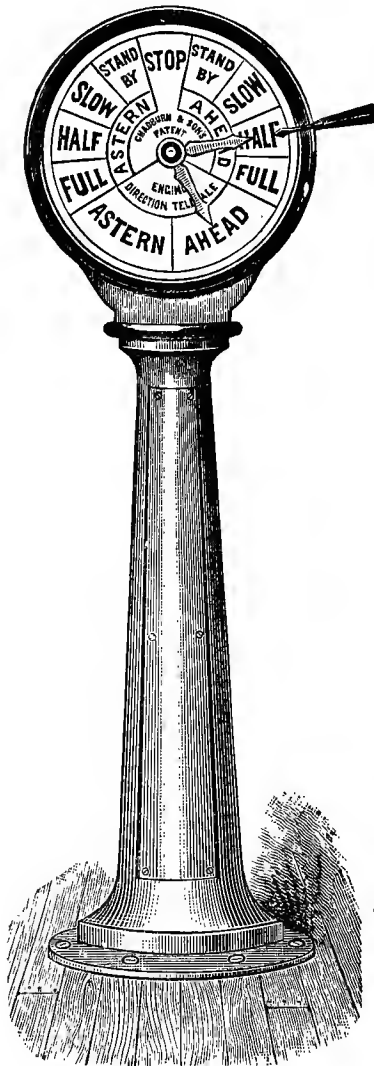
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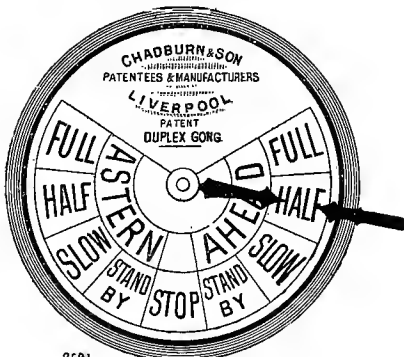
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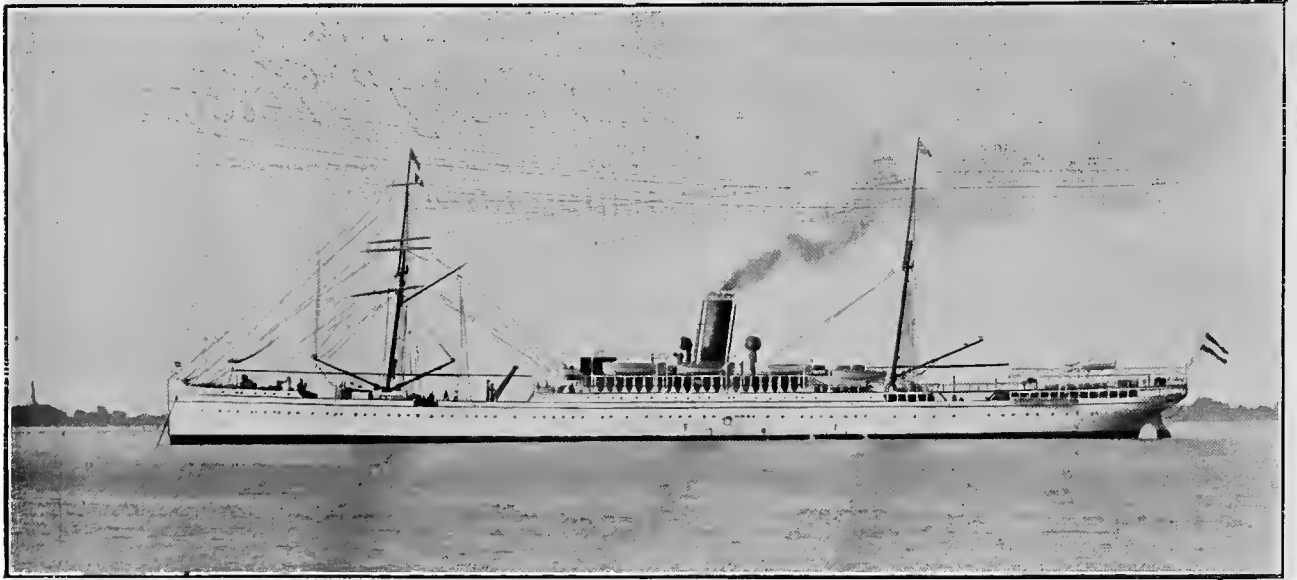
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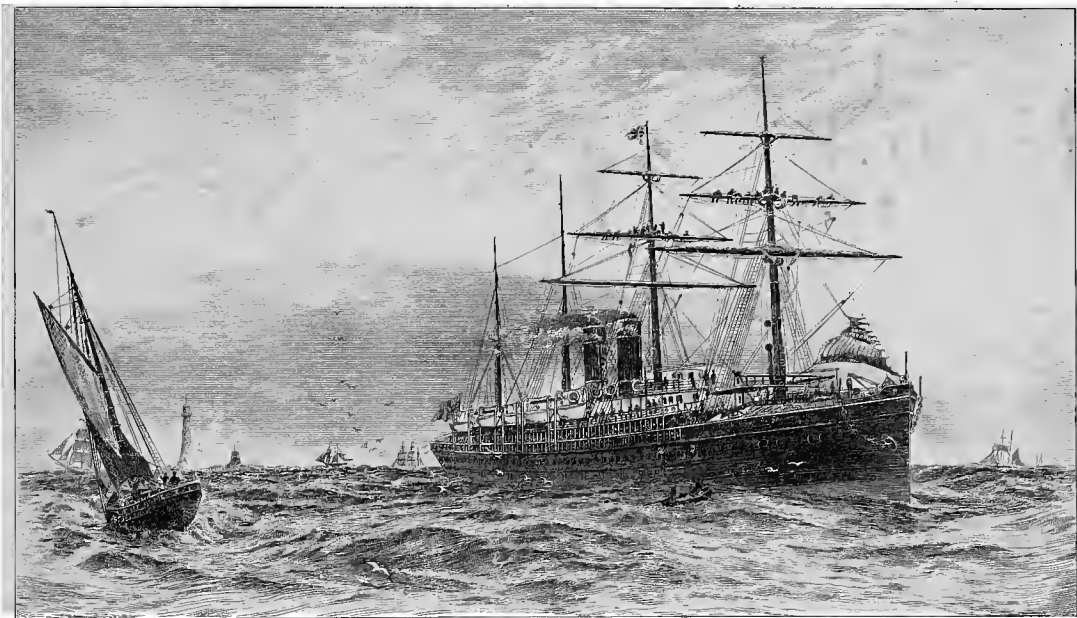
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