

ADMIRALTY.

JULY

1888.



By Authority.

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LIST OF

HER MAJESTY'S SHIPS, VESSELS,
AND TORPEDO BOATS

ENGAGED IN THE

NAVAL MANŒUVRES

JULY AND AUGUST, 1888,

SHOWING THEIR DIVISION INTO SQUADRONS, &c.

CORRECTED TO OUR JULY 1888.

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LIST OF HER MAJESTY'S SHIPS, VESSELS, AND TORPEDO
BOATS ENGAGED IN THE NAVAL MANŒUVRES,
JULY AND AUGUST 1888, SHOWING THEIR DIVISION
INTO SQUADRONS, &c.

"A" SQUADRON.

Vice-Admiral JOHN K. E. BAIRD, in Command.

Rear-Admiral CHARLES J. ROWLEY, Second in Command.

UMPIRES.

Rear-Admiral ALEXANDER BULLER, C.B., First Division.

Rear-Admiral NATHANIEL BOWDEN-SMITH, Second Division.

FIRST DIVISION.

Ship	Guns.	Tons.	H.U.	Com- ple- ment.	Commanding Officer.
BATTLE SHIPS.					
Northumberland (<i>Flag</i>).	29	10,780	6,560	710	Capt. S. C. Darwin.
Benbow	12	10,600	11,500	503	Capt. A. T. Powlett.
Collingwood	10	9,500	9,570	459	Capt. H. L. Pearson.
Monarch	7	8,320	7,840	572	Capt. U. C. Singleton.
Conqueror	6	6,200	6,000	310	Capt. A. H. Alington.
Hotspur	4	4,010	3,060	180	Capt. W. Stewart.
Northampton	12	7,630	6,070	567	Capt. R. H. Harris.
CRUISERS.					
Mersey	12	4,050	6,000	317	Capt. E. G. Hulton.
Arethusa	10	4,300	5,500	295	Capt. F. R. Boardman, C.B.
Rover	14	3,460	4,960	376	Capt. G. H. U. Noel.
Active	12	3,080	4,130	353	Capt. A. H. Markham, <i>AdC.</i>
Archer	6	1,770	3,500	157	Comr. G. L. Poë.
Raccoon	6	1,770	4,500	157	Comr. J. M. McQuhae.
Rattlesnake	1	550	2,700	61	Lieut. T. F. W. Ingram.

"A" SQUADRON—*continued.*

SECOND DIVISION.

Ship.	Guns.	Tons.	H.P.	Com- ple- ment.	Commanding Officer.
BATTLE SHIPS.					
Agincourt (<i>Flag</i>) . . .	17	10,690	6,870	711	Capt. S. C. Holland.
Inflexible	12	11,880	8,010	460	Capt. R. D. King.
Neptune	6	9,310	8,000	333	Capt. J. F. G. Grant.
Iron Duke	14	6,010	3,520	482	Capt. R. M. Lloyd.
Belleisle	4	4,870	3,200	193	Capt. <i>Hon.</i> R. Hare.
Shannon	9	5,390	3,370	318	Capt. F. R. Blackburne.
CRUISERS.					
Thames	12	4,050	5,700	317	Capt. C. B. Theobald.
Inconstant	16	5,780	7,360	614	Capt. A. P. Hastings, C.B.
Mercury	13	3,730	7,290	276	Capt. E. F. Jeffreys.
Mohawk	6	1,770	3,500	157	Comr. R. P. Humpage.
Tartar	6	1,770	3,500	157	Comr. G. C. Langley.
Grasshopper	1	525	3,000	61	Lieut. F. L. Campbell.

TORPEDO BOATS ATTACHED TO "A" SQUADRON.

	Length. ft. in.	H.P.	Comple- ment.	Commander.
Torpedo Boat, No. 25 .	125 0	590	16	Lieut. C. F. Lambert.
Torpedo Boat, No. 41 .	125 0	690	16	Lieut. A. T. Taylor.
Torpedo Boat, No. 42 .	125 0	690	16	Lieut. A. R. C. Warren.
Torpedo Boat, No. 49 .	125 0	720	16	Lieut. F. J. Patteson.
Torpedo Boat, No. 50 .	125 0	770	16	Lieut. L. E. Traherne.
Torpedo Boat, No. 66 .	125 4	630	16	Lieut. C. D. Granville.
Torpedo Boat, No. 67 .	125 3	660	16	Lieut. J. T. White.
Torpedo Boat, No. 72 .	125 4	670	16	Lieut. S. A. G. Calthorpe.
Torpedo Boat, No. 76 .	125 3	640	16	Lieut. R. Hudleston.
Torpedo Boat, No. 79 .	128 8	990	16	Lieut. S. Nicholson.
Torpedo Boat, No. 80 .	135 0	1,540	21	Lieut. A. Dodgson.
Torpedo Boat, No. 81 .	150 0	1,330	26	Lieut. H. B. Jackson.

“B” SQUADRON.

Rear-Admiral SIR GEORGE TRYON, K.C.B., *in Command.*

Rear-Admiral ROBERT O'B. FITZROY, C.B., *Second in Command.*

UMPIRES.

Rear-Admiral SIR ROBERT H. M. MOLYNEUX, K.C.B., *First Division.*

Rear-Admiral PHILIP COLOMB, *Second Division.*

FIRST DIVISION.

Ship.	Guns.	Tons.	H.P.	Com- ple- ment.	Commanding Officer.
BATTLE SHIPS.					
Hercules (<i>Flag</i>) . . .	20	8,680	6,750	388	Capt. C. E. Buckle.
Ajax	6	8,660	6,440	292	Capt. F. Durrant, C.M.G.
Hero	6	6,200	6,000	310	Capt. A. E. Dupuis.
Rupert	4	5,440	4,630	197	Capt. E. St. J. Garforth, C.B.
Warspite	10	8,400	10,000	527	Capt. E. J. Church.
CRUISERS.					
Severn	12	4,050	6,000	317	Capt. A. F. St. Clair.
Volage	12	3,080	4,530	355	Capt. C. Johnstone.
Iris	13	3,730	7,330	276	Capt. A. C. H. Paget.
Cossack	6	1,770	3,500	157	Commander C. T. Turner.
Sandfly	1	525	3,000	61	Lieut. Hon. A. E. Bethell.

SECOND DIVISION.

BATTLE SHIPS.					
Rodney (<i>Flag</i>) . . .	10	10,300	11,500	500	Capt. A. W. Moore,
Devastation	4	9,330	6,650	285	Capt. F. S. Vander-Meulen.
Invincible	16	6,010	4,830	338	Capt. A. T. Brooke, C.B.
Black Prince	28	9,210	5,770	697	Capt. R. G. Kinahan.

"B" SQUADRON—*continued.*SECOND DIVISION.—*continued.*

Ship.	Guns.	Tons.	H.P.	Com- ple- ment.	Commanding Officer.
CRUISERS.					
Amphion.	10	4,300	5,550	295	Capt. W. A. D. Acland.
Calypso	16	2,770	3,720	315	Capt. J. C. Burnell.
Serpent	6	1,770	4,500	157	Com. <i>Hon.</i> E. T. Needham.
Curlew	4	950	1,500	97	Com. C. J. Norcock.
Spider	1	525	3,000	61	Lieut. F. J. Foley.

TORPEDO BOATS ATTACHED TO "B" SQUADRON.

	Length. ft. in.	H. P.	Comple- ment.	Commander.
Torpedo Boat, No. 45 .	125 0	690	16	Lieut. A. D. Ricardo.
Torpedo Boat, No. 51 .	125 0	680	16	Lieut. S. C. Weigall.
Torpedo Boat, No. 52 .	125 0	720	16	Lieut. R. J. Prendergast.
Torpedo Boat, No. 53 .	125 0	760	16	Lieut. H. J. L. Clarke.
Torpedo Boat, No. 54 .	125 0	720	16	Lieut. G. A. Heyman.
Torpedo Boat, No. 55 .	125 0	660	16	Lieut. F. H. Peyton.
Torpedo Boat, No. 57 .	125 0	740	16	Lieut. F. H. Eagles.
Torpedo Boat, No. 58 .	125 0	720	16	Lieut. H. Jones.
Torpedo Boat, No. 59 .	125 0	750	16	Lieut. C. E. Carey.
Torpedo Boat, No. 60 .	125 0	745	16	Lieut. E. J. W. Slade.
Torpedo Boat, No. 64 .	125 3	670	16	Lieut. A. Y. Moggridge.
Torpedo Boat, No. 78 .	125 1	720	16	Lieut. H. H. Campbell.

LIST OF SHIPS, VESSELS AND TORPEDO BOATS ENGAGED IN THE NAVAL MANŒUVRES, JULY AND AUGUST, 1888.

N.B.—The Torpedo Boats are shown in a separate List at the end.

(The Ships are arranged alphabetically. The numbering has no reference to the numbers of Ships on the Lists of the Royal Navy, being only used to indicate where Officers are serving.)

S. denotes Screw.—**P.** Paddle Wheel.

******—The Tonnage and Horse Power given are the weight in Tons and the Indicated Horse Power of the Engines.

All Officers whose names are in italics are borne as supernumeraries or additional.

(G) against an officer's name denotes he is a Gunnery Lieutenant borne for Gunnery duties.

(T) that he is a Torpedo Lieutenant borne for Torpedo duties.

(N) that he is an executive officer borne for Navigating duties.

5 ACTIVE, 12. Screw Cruiser 2nd Class.

3080 Tons. 4130 H.P.

Training Squadron.

Captain.....Albert H. Markham, *AdC.*
5 Nov 86

Secretary.....Harry Robinson 5 Nov 86

Commander ..Charles G. Robinson 30 May 87

LieutenantReginald R. Neeld .. 1 June 86

(G) Charles H. Coke 25 Oct 87

(N) Richard H. Wellings
16 Aug 85

Francis F. Haworth-
Booth 1 Nov 87

Sydney R. Fremantle
4 May 88

George S. Q. Carr16 Aug 87

Capt. Mar.Arthur M. E. Hayes 22 Nov 87

Chaplain and) Rev. James H. Blunn,
Nav. Instr.) B.A., LL.M.3 July 87

Staff Surg.Gerard J. Irvine1 Dec 87

Staff Paym.Henry A. Scrivener 21 Sept 85

Fleet Eng.James G. Bain 5 Nov 86

Sub-Lieut.Henry B. Bradshaw 27 Apr 88

Robert A. L. Bushe.....10 Sept 87

Assist. Paym. ..William L. Davy.... 26 May 86

EngineerHenry J. Walker.... 15 June 86

Assist. Eng.Ethelbert S. Silk (act) 2 Nov 87

GunnerHenry Stevens 7 May 88

BoatswainGeorge H. Colwell.. 10 June 86

John Peain (act)17 Apr 88

Carpenter.....John Lander..... 15 Nov 86

Midshipman ..Ronald A. Hopwood 15 Aug 87

Arthur H. Tremayne 21 Sept 85

Guy L. Selater 2 Nov 87

Adolphus H. Wil-
liamson 26 May 87

Osmond De B. Brock 2 Nov 87

Douglas L. Dent 26 May 87

Arthur R. Raby 2 Nov 87

Herbert E. Holmes
& Court.....10 Mar 88

Sampson Sladen.... 2 Nov 87

Henry W. Armstrong 2 Nov 87

Hon. Angus D. Murray
3 May 88

Ernest R. Hamilton . 5 Feb 88

Henry W. Grant 2 Nov 87

Philip S. Watson 9 Feb 88

Gerald W. Vivian .. 9 Feb 88

Alexander A. Gordon 16 May 88

Commissioned at Portsmouth, 21st Sept 1885.

12 AGINCOURT, 17. Screw Battle Ship, 3rd Class, Armoured.

10,690 Tons. 6870 H.P.

Channel Squadron.

*Flag Ship of the Second in command of
"A" Squadron.*

Rear-Admiral Charles J. Rowley ..18 Aug 87

Flag Lieut.Guy A. J. Greville..18 Aug 87

Secretary Robert Donaldson ..18 Aug 87
Clerk to Sec..... Philip Le H. De la Garde
 18 Aug 87

Captain.....Swinton C. Holland.. 1 Dec 86
Commander....Robert L. Groome .. 1 Jan 88
LieutenantWilliam B. Fisher.... 4 Jan 88

(T) Egerton B. B. Levett
 15 Aug 87

(G) Philip C. K. W. Murray
 3 July 86

Arthur H. Limpus .. 20 Oct 87
 John M. De Robeck.. 2 Nov 87

Trevelyan D. W.
 Napier28 Dec 87

Staff-Com.William C. E. Parker 20 Oct 87

Capt. Mar.Schoffield P. Peile ..26 May 88

Lt. Mar. Art. ..George E. Barnes ..24 Aug 87

Lieut. Mar.William H. Basevi ..25 Oct 87

ChaplainRev. Thomas Austin, M.A.
 4 Apr 85

Staff Surg.George B. Murray 1 Jan 88

Fleet Paym.....Cornelius W. McDermott
 29 Oct 86

Fleet Eng.William Bryan.....15 June 82

Naval Ins.Edward Braithwaite 20 July 87

Sub-Lieut.....James C. Tancered ..15 Sept 87

Edward F. Bruen .. 8 Nov 87

Sub-Lieut. R.N.R. Frederick P. Hors-
 fall (act)16 Apr 88

Surgeon.....Alexander M. French 31 May 87

John J. McDonnell ..17 Apr 88

Assist.-Paym. ..Horatio O. Jones.....14 Apr 87

EngineerJohn Fielder18 Oct 87

Assist. Eng.....Percy Bingham 6 June 87

William C. Moreom 7 Nov 87

James A. Roye (lent) 7 Nov 87

James M. Simpson (lent) 7 Nov 87

Gunner.....William Daly.....23 Nov 85

BoatswainThomas Wills10 Apr 88

George Harris11 Aug 87

William H. Bennett..17 Aug 87

Clement Roach17 Aug 87

Carpenter....John H. Woods..... 4 Nov 87

Midshipman ..Langton W. Browell 10 Jan 87

John Davies Rogers 10 Jan 88

Thomas F. T. Michell 10 Jan 88

Peter W. E. Hill10 Jan 88

Midshipman R.N.R. Ernest H. Dobbin 20 June 87

Naval Cadet....John P. Irven10 Jan 88

Harry A. P. Glossop 10 Jan 88

ClerkThomas C. Phillips ..19 Feb 86

Commissioned at Devonport 10th July 1877.

(New Books opened 1st October 1883.)

14 AJAX, 6. Twin Screw. Battle Ship, 1st Class, Armoured.

8660 Tons. 6440 H.P.

(Ship of First Reserve.)

Coast Guard Service.

Greenock.

Captain.....Francis Durrant CMG.
 27 Nov 85

Commander....Henry D. Barry23 Nov 86

LieutenantCharles G. Gardiner 30 Sept 86

Frederick Elton 8 Jan 87

Cecil H. Wright16 Aug 87

(G) John B. Eustace 24 Apr 88

Edward P. Chapman

(lent) 4 July 88

Henry V. W. Elliott 4 July 88

Staff-Com.Augustus Fane12 Dec 87

Capt. Mar.Henry C. Eagles 1 Oct 88

Lieut. Mar.Frank Athow28 Apr 87

ChaplainRev. Charles R. Gamson
 MA 27 Aug 87

Staff-Surg.William F. Spencer, MD.
 15 Nov 87

Fleet Paym.....Edmund Hickson ..13 Sept 87

Fleet Eng......Alexander F. McIntyre
 7 Sept 85

Sub-Lieutenant Warren H. D'Oyly
 (act)12 July 88

Surgeon.....William Hayes.....27 Sept 87

Assist. Paym. ..Warwick A. Green ..23 Aug 87

EngineerHarry Taylor13 Apr 88

William Whitting-
 ham (lent) 4 July 88

Ch. Carpenter ..Nathaniel Hawton.. 5 Aug 85

Assist. Eng.George T. Kerswell..14 Sept 87

Joseph Thompson
 (act) (lent) 4 July 88

William H. S. Moysey (act)
 (lent) 4 July 88

GunnerBenjamin W. Hill ..24 Nov 86

BoatswainJames R. Gibbs12 Oct 85

William H. Hayman 21 Sept 86

William Pine 5 Nov 87

Recommissioned at Devonport, 5th August 1885.

29 AMPHION, 10. Twin Screw Cruiser, 2nd Class.

4300 Tons. 5350 H.P.

CaptainWilliam A. D. Acland 4 July 88

LieutenantGustavus H. Yonge
 (act) 4 July 88

John P. P. Coote (lent) 4 July 88

(T) Francis W. Bar-
 rett..... 4 Nov 87

George M. Dolphin
 (lent) 4 July 88

(G) Charles Stirling
 (lent) 4 July 88

Arthur H. Christian
 (lent) 4 July 88

Staff Surgeon ..Thomas M. Sibbald 4 July 88

PaymasterEdward T. Dixon .. 4 July 88

Staff Engineer ..Thomas W. H. Ram-
 say.....29 Apr 85

Sub-Lieutenant Arthur H. Tremayne
 (act)12 July 88

EngineerDaniel Griffin (lent) 4 July 88

Assist. Eng. ..Henry J. Turner16 Mar 88

James M. Simpson (lent)
 4 July 88

Frederick G. Dawson (act)
 (lent) 4 July 88

GunnerJohn McCarthy14 Sept 86

(T) Nicholas G. Williams
 (lent) 4 July 88

BoatswainEdward Davis 4 Aug 86

William Doyle (lent) 4 July 88

Nicholas Fitzsimons
 (lent) 4 July 88

Carpenter.....Thomas Slaney.....20 Nov 84

Commissioned at Devonport, 4 July 1888.

Clerk Henry Elliot (*lent*) .. 10 July 88
Commissioned at Portsmouth 11th July 1888

Commissioned at Portsmouth, 4th July, 1868.

121 CONQUEROR, 6. Twin Screw Battle Ship, 2nd Class. Armoured.

6200 Tons. 6000 H.P.

Captain Arthur H. Alington .. 4 July 88
 Commander Ronald R. M. Hall 4 July 88
 Lieutenant Henry H. Boteler 4 July 88
 Adolphus F. Turner (*lent*) .. 4 July 88
 George S. Walsh (*lent*) .. 4 July 88
 (G) Archibald G. H. W. Moore (*lent*) .. 4 July 88
 Francis A. R. Bowles (*lent*) .. 4 July 88

Nar. Lieutenant Charles D. A. Morshead .. 10 Apr 88

Staff Surg. Robert W. Williams (*lent*) .. 4 July 88

Staff Paym. Charles Farwell 4 July 88

Staff Eng. Henry Laughrin 17 Oct 87

Sub-Lieut. John C. Soady (*act*) .. 4 July 88

Surgeon John W. Slaughter, MB (*lent*) .. 4 July 88

Engineer William Sharp 10 Mar 88

Ch. Gunner William N. May 4 Feb 88

Assist. Eng. George W. Noll 24 Apr 88

 John H. A. Burgess (*lent*) .. 4 July 88

 Francis H. Lister (*lent*) .. 4 July 88

 William A. J. Davies (*act*) (*lent*) .. 4 July 88

Gunner (T) Theodore Bye (*lent*) .. 4 July 88

Boatswain Charles B. Peters 24 Mar 88

 William Lyndon (*lent*) .. 4 July 88

 John Metters (*lent*) .. 4 July 88

 Walter E. Millgate (*lent*) .. 4 July 88

Carpenter Richard B. Lavers .. 21 Mar 88

Clerk Duncan S. O. Grant 4 July 88

Commissioned at Devonport, 4th July, 1888.

133 CURLEW, 4. Twin Screw Gun Vessel, 1st Class.

950 Tons. 1500 H.P.

Channel Squadron.

(Temporarily attached.)

Commander Charles J. Norcock .. 4 Jan 88

Lieutenant Walter V. Anson 22 June 86

(N) Francis E. J. Tottenham .. 22 June 86

Richard S. B. Bird .. 22 June 86

Paymaster Andrew J. Ramsay .. 22 June 86

Ch. Engr. Charles Dawe 25 Aug 85

Surgeon John Jenkins 22 June 86

Gunner William Leather .. 3 June 85

Commissioned at Devonport, 22 June 1886.

148 DEVASTATION, 4. Twin Screw Battle Ship, 1st Class. Armoured.

9330 Tons. 6650 H.P.

(Ship of First Reserve.)

Coast Guard Service, Queensferry, North Britain.

Captain Frederick S. Vander-Moulen .. 28 July 87

Commander .. Frank Finnis 30 Apr 87

Lieutenant Arthur T. Target 19 Jan 88

Frederick G. C. Langdon .. 24 Apr 88

Francis T. G. Cole .. 15 Mar 88

(G) William P. Hillyar (*lent*) .. 4 July 88

Augustus L. Scott 2 July 88

Staff Com. James R. H. MacFarlane .. 13 Feb 88

Lieut. R.N.R. Melville W. C. Hepworth .. 30 June 88

Capt. Mar. Douglas J. Kysh 1 Oct 87

Lieut. Mar. Hugh J. C. Gibsons 1 Oct 86

Chaplain Rev. Arthur G. Kealy, M.A. .. 4 Nov 87

Staff Surgeon .. Stewart F. Hamilton .. 23 Aug 87

Fleet Engr. William Barclay 22 Mar 88

Fleet Paym. Alfred De Denno 12 Aug 86

Sub Lieut. Robert W. Glennie (*act*) .. 12 July 88

Surgeon Alexander L. Christie, M.B. .. 18 Mar 87

Assist. Paym. Thomas E. Phelps .. 27 Aug 87

Engineer Thomas H. Harrup .. 5 Aug 86

Henry A. Evans (*lent*) .. 4 July 88

Assist. Eng. John H. Dalrymple .. 29 Apr 87

Gunner Samuel H. E. Dawe .. 24 May 88

Boatswain William Nelson 26 Mar 88

Richard Fleming .. 27 Apr 88

Thomas G. Burrows .. 29 Apr 87

Carpenter James Tuck 17 Apr 88

Commissioned at Portsmouth, 7th September 1885, to replace 'Lord Warden.'

128 COSSACK, 6. Twin Screw Cruiser, 3rd Class.

1770 Tons. 3500 H.P.

Commander Charles T. Turner .. 4 July 88

Lieutenant Herbert W. Meredith 4 July 88

(N) George F. Glennie .. 28 Feb 87

Armytage A. Lucas (*lent*) .. 4 July 88

Chief Engineer .. James H. Gilbert 28 May 86

Sub-Lieutenant .. Charles G. Bolton .. 4 July 88

Surgeon Edward H. Williams 4 July 88

Assist. Paym. } Thomas J. Stovin .. 4 July 88

in charge } (*lent*) .. 4 July 88

Engineer Sylvester Rawling .. 11 Jan 87

Assist. Eng. Frank A. Alden (*lent*) .. 4 July 88

Gunner (T) Michael King .. 11 Dec 86

Commissioned at Devonport, 4 July 1888.

222 GRASSHOPPER, 1. *Twin Screw Gun-Boat, 1st Class.*

525 Tons. 3000 H.P.

Lieutenant & Commander } (T) Frederick L. Campbell (*lent*) 4 July 88
Lieutenant (N) Charles A. Radcliffe (*lent*) 4 July 88
Chief Eng. John Gardner 15 July 87
Surgeon Andrew D. Poyton 4 July 88
Sub-Lieutenant.. Cecil F. Dampier (*act*) 4 July 88
 Harry L. D. Skipwith (*act*) 12 July 88

Commissioned at Sheerness, 4th July 1888.

234 HERCULES, 20. *Screw Battle Ship, 2nd Class. Armoured.*

8680 Tons. 6750 H.P.

(Ship of First Reserve.)
 Coast Guard Service.
 Portland.

Flagship of the Rear-Admiral in command of B Squadron.

Rear-Admiral... Sir George Tryon,
 K.C.B. 17 Apr 88
 (Admiral Superintendent of Naval Reserves.)
 Flag-Lieut. Eustace W. C. Stracey 3 July 88
 Secretary Francis C. Alton 4 July 88
 Clerk to Sec. Charles F. Petch (*lent*) 3 July 88
 William J. K. Milln (*lent*) 3 July 88

Captain Claude E. Buckle .. 20 Apr 87
 Commander .. Lionel Fanshawe .. 23 Nov 86
 Lieutenant (G) Arthur C. Woods 15 Mar 88
 Thomas W. Woodhead 29 July 86
 Alfred E. Rawnsley 6 Apr 88
 Robert P. Adams 24 Apr 88
 Moultrie B. Fowke (*lent*) 4 July 88

Staff Com. Robert S. P. Hornby .. 4 July 88
 Fleet Paym. William L. Dodds .. 12 Nov 85
 Lieut. R.N.R. .. Edward J. Harley .. 8 July 88
 Major Mar. Harry M. Clements .. 15 June 86
 Lieut. Mar. John B. Pym 27 Sept 87
 Cecil S. Thomas 1 Oct 87

Chaplain Rev. George H. Trehearn,
 B.A. 31 Jan 87
 Staff Surgeon .. Alexander R. Joyce 14 Sept 87
 Fleet Paym. William H. Haswell 1 Feb 87
 Fleet Eng. Peter Eckford 14 Apr 85
 Sub-Lieut. Harold Christian (*act*) 3 July 88
 George E. Cave (*act*) .. 4 July 88
 Surgeon Robert Hardie, M.B. .. 7 Jan 88
 Assist. Paym. .. Francis F. Smith 26 Nov 86
 Albert G. Craddock. 27 Apr 86
 Engineer Ernest J. Taylor 14 Nov 87

Assist. Eng. William R. Parsons.. 5 Nov 87
 George W. Murray (*lent*) 4 July 88
 George Attwood (*lent*) 4 July 88
 Edward J. Bond (*act*) (*lent*) 4 July 88
 Harry J. Metkyle John (*act*) (*lent*) 4 July 88
 Gunner William G. Jordan .. 12 Apr 87
 Boatswain John Vincent 29 Mar 87
 John Westrope 5 Feb 88
 Richard N. Saxon 14 Apr 87
 Carpenter John Murphy 17 June 86
 Midshipman } Robert H. Goodwin .. 25 June 86
 B.N.R.

The following Officers are borne as additional for various services.

Lieutenant (T) Thomas C. Fenton 12 Aug 86
 (For Torpedo duties with Ships of First Reserve.)
 John T. Hardinge 27 June 88
 (As Transport Officer afloat.)

Officers and crew of 'Warrior' turned over to 'Hercules' at Portsmouth, and new Books opened, 1st May 1881.

235 HERO, 6. *Twin Screw Battle Ship, 2nd Class. Armoured.*

6200 Tons. 6000 H.P.

Captain Arthur E. Dupuis .. 4 July 88
 Commander Eustace Rooke 4 July 88
 Lieutenant Arthur Furlonger .. 4 July 88
 Richard G. Day 4 July 88
 (G) Frederick W. F. Hervey (*lent*) 4 July 88
 Selby H. B. Ash (*lent*) 4 July 88
 (T) Dudley R. De Chair (*lent*) 4 July 88
 Staff Com. William J. N. Baird 13 Dec 87
 Fleet Surg. Thomas H. Atkinson (*lent*) 4 July 88

Staff Paym. Frederick L. M. Dyer 4 July 88
 Fleet Eng. Peter Colquhoun 27 May 85
 Sub-Lieut. Charles F. Corbett (*act*) 4 July 88
 Surgeon Sidney H. Youel 4 July 88
 Engineer John J. Robins 17 May 88
 Assist. Eng. Warwick Monkhouse 5 Dec 87
 Herbert J. Leader (*act*) (*lent*) 4 July 88

Gunner Edward H. Garrad 19 May 87
 Frank Williams (*lent*) 4 July 88
 Boatswain William E. Lediard 24 Dec 85
 James Rice (*lent*) 4 July 88
 William Lloyd (*lent*) .. 4 July 88
 Carpenter Richard W. Cogger 12 Jan. 85
 Assist. Clerk Herbert A. Gyles (*lent*) 4 July 88

Commissioned at Portsmouth, 4th July 1888.

**244 HOTSPUR, 4. Twin Screw
Battle Ship, 2nd Class.
Armoured.**

4010 Tons. 3060 H.P.

(Ship of First Reserve) Coast Guard and
Drill Ship of Naval Reserve, Harwich.

Captain James G. Mead 5 Aug 85
Walter Stewart 7 July 88
(In temporary command during illness of
Captain Mead.)

Commander .. William T. Bourke .. 24 Apr 88
Lieutenant Hubert G. Giles 25 Apr 88
Herbert L. Messum 23 Mar 87
(G) William F. D. Walker
13 June 88

John L. Eagles (lent) 4 July 88
Staff Com. Edwin H. Richards 8 Aug 85

Fleet Surg. Edward W. Doyle 17 Nov 86

Staff Paym. Gervase F. Mathew 13 Jan 80

Fleet Eng. John Miller 24 Sept 87

Sub-Lieut. Robert W. Johnson (act) 12 July 88

Surgeon Henry W. Rickards 23 Aug 87

Asst. Paym. John M. Lowry 26 Oct 86

Charles E. W. Horner 3 Feb 88
(Lent to 'Warspite')

Engineer William J. Brown 5 Feb 87

Asst. Eng. Richard W. Toman 13 Sept 87

Gunner James Moon 15 May 86

Boatswain James Murphy 25 June 87

George James 26 July 86

Abraham Collins 9 May 88

Carpenter Henry J. Shopland 15 June 86

Recommissioned at Portsmouth 21st May 1887,
with Crew turned over from 'Penelope.'

**260 INCONSTANT, 16. Screw
Cruiser, 2nd Class.**

5780 Tons. 7360 H.P.

Captain Alexander P. Hast-
ings, CB. (lent) 4 July 88

Commander Edward C. Moore .. 4 July 88

Lieutenant Henry Harris 4 July 88

Hon. Francis Spring-
Rice 4 July 88

Percy D. M. Henderson 4 July 88

(G) Alfred E. A. Grant
(lent) 4 July 88

Murray T. Parks 4 July 88

Ernest F. A. Gaunt
(lent) 4 July 88

Staff Com. Gerard T. Napier 20 Mar 88

Capt. Mar. Henry C. T. Kelly 4 July 88

Lieut. Mar. Art. Humphrey Oldfield 4 July 88

Fleet Surg. Astley Cooper (lent) 4 July 88

Fleet Paym. Benjamin Urwick .. 4 July 88

Staff Eng. William T. Bray 10 Feb 88

Sub-Lieut. Frederick G. Bird
(act) 12 July 88

Surgeon George F. Collins (lent) 4 July 88

Asst. Paym. .. Harry P. Barnett (lent) 4 July 88

Engineer Matthew W. Ellis
(lent) 4 July 88

Asst. Eng. Lemuel C. Saywell
(lent) 4 July 88

Gunner Richard Skuse 23 Dec 84

(T) Richard J. Herd
(lent) 4 July 88

Boatswain James Willoughby 11 Sept 85

Francis Carpenter (lent) 4 July 88

Carpenter Arthur Furzo 18 Sept 85

Commissioned at Devonport, 4th July 1888.

**263 INFLEXIBLE, 12. Twin
Screw Battle Ship, 1st Class,
Armoured.**

11,880 Tons. 8010 H.P.

Captain Richard D. King 4 July 88

Commander Gerald W. Russell .. 4 July 88

Lieutenant William H. M. Daniell 4 July 88

Stuart B. Roupell (lent) 4 July 88

Thomas Hadley 4 July 88

(G) John R. Jellicoe
(lent) 4 July 88

Charles McCrea 4 July 88

Richard F. Phillimore
(lent) 4 July 88

Staff Com. James B. Walker 5 Sept 85

Capt. Mar. Art. Robert H. Alexander 4 July 88

Lieut. Mar. Cunliffe McN. Parsons 4 July 88

Fleet Surg. Stephen Sweetnam
(lent) 4 July 88

Fleet Paym. Valentine D. J. Rick-
cord 4 July 88

Fleet Eng. Henry Hull 20 Jan 85

Sub-Lieut. Alexander Gillespie
(act) 4 July 88

Surgeon Jonathan Shand, MB.
(lent) 4 July 88

Asst. Paym. .. Gerald L. Clarke (lent) 4 July 88

Engineer Albert V. Blake 26 Sept 87

Richard W. Green
(lent) 4 July 88

Asst. Eng. Herbert Cooper 5 Dec 87

William McK. Wisnom
(lent) 4 July 88

Gunner John Candy 15 July 80

(T) John T. Smith
(lent) 4 July 88

Frederick Russell (act)
(lent) 4 July 88

Boatswain Abraham Milton 8 Mar 88

George H. Roberts
(lent) 4 July 88

William H. Banning
(lent) 4 July 88

Charles Jones (act)
(lent) 4 July 88

Carpenter James Attrill 17 May 88

Commissioned at Portsmouth, 4th July 1888.

265 INVINCIBLE, 16. *Twin Screw Battle Ship, 2nd Class. Armoured.*

6010 Tons. 4830 H.P.

(Ship of First Reserve.)

Coast Guard Service.

Southampton Water.

Captain.....Arthur T. Brooke, C.B. 1 June 88

Commander ..Frank H. Henderson 20 Mar 88

LieutenantHenry B. Warren ..25 May 88

Henry W. Target18 Nov 87

James P. Montgomery 3 Apr 88

James W. Burder (lent) 4 July 88

George A. Smith (lent) 4 July 88

Staff Com.William R. Stevens 22 Dec 85

Lieut. R.N.R.William J. Whereat...25 June 88

Captain Mar. ..Arthur E. Hornblow 1 Oct 87

Lieut. Mar. Art. John M. Rose1 Oct 87

Lieut. Mar.Frank W. Luard26 Aug 86

John C. Keown20 Feb 86

ChaplainRev. Charles E. Panter, M.A. 24 Feb. 87

Staff Surg.Henry Beaumont ..28 May 87

Fleet Paym. ..Derisley Martin1 Apr 88

Fleet Eng.William E. Pilcher... 7 Aug 82

Sub-Lieut.Allen P. Everett (act) 12 July 88

Surgeon.....William M. Craig MB 24 Apr 88

Asst. Paym.Charles F. Petch25 Mar 87

(lent to 'Hercules')

Gilbert Graham.....15 Mar 87

EngineerBryant G. Little30 Oct 86

Asst. Eng.John J. G. Percy ..30 Oct 85

Archib. B. Emdin (act) (lent) 4 July 88

GunnerDaniel Murphy22 Apr 86

BoatswainJacob Freathy30 Dec 86

Henry E. Stanton18 Oct 87

Frank Minto (act)25 May 87

Carpenter.....George V. Cliff.....22 Dec 85

Commissioned at Devonport, 23rd November, 1886

with crew turned over from 'Northampton.'

266 IRIS, 13. *Twin Screw Cruiser, 2nd Class.*

3730 Tons. 7330 H.P.

Captain.....Arthur C. H. Paget (lent) 4 July 88

LieutenantRobert L. G. Noel (lent) 4 July 88

(N) Herbert M. Heathcote 24 Apr 88

Alfred R. A. Stock (lent) 4 July 88

Hon. Francis C. B. Addington 4 July 88

(G) Edmund C. A. Paston-Cooper (lent).... 4 July 88

William H. Boys (lent) 4 July 88

Staff Surgeon ..William E. Breton, M.D. 4 July 88

PaymasterCharles Raxworthy ..4 July 88

Staff-Engineer ..Elijah Tricker.....24 Sept 87

Sub-Lieutenant Sholto G. Douglas (act) 12 July 88

EngineerCharles W. Gregory (lent) 4 July 88

Assist. Eng.John B. Butcher7 Mar 83

Percy F. Faulkner (lent) 4 July 88

GunnerWilliam Barrett (b) 13 Apr 87

(T) Frederick G. Wilton (lent) 4 July 88

Boatswain.....Richard Cumner... 9 Mar 87

Thomas Davidson (lent) 4 July 88

Carpenter.....Harry G. Allison.....10 Mar 87

ClerkErnest A. Redman (lent) 4 July 88

Commissioned at Portsmouth, 4th July 1888.

267 IRON DUKE, 14. *Twin Screw Battle Ship, 2nd Class. Armoured.*

6010 Tons. 3520 H.P.

Channel Squadron.

CaptainRodney M. Lloyd....20 Apr 88

Commander ..Edward H. Bayly ..18 Apr 88

Lieutenant(G) George Langford 3 July 86

Thomas J. Greet 8 Jan 87

Robert H. Travers ..30 Sept 87

Morris E. L. Thompson 13 Sept 87

Staff-Com.Amherst C. H. Pearson 26 Nov 87

Capt. Mar.T. Hawkins Smith ..12 Aug 85

Archibald G. Cochran 20 May 87

Chaplain and { Rev. Frederick J. } 1 June 88

Nav. Instr. { Matthews .. M.A. }

Staff Surg.William H. Putsey ..20 June 87

Fleet Paym.John H. Cleverton ..1 May 88

Fleet Eng.George E. M. Keey ..18 Nov 87

Sub-Lieut.Percy M. Hay14 Aug 87

SurgeonFrancis Moore25 May 87

Alexander G. Andrews 17 Nov 87

Assist Paym. ..Francis B. Pritchard 3 Nov 87

Ch. Gunner....William H. Metters..28 Nov 87

Assist. Eng.Frank R. Stuttaford 16 Apr 85

Ernest A. W. Head ..21 Apr 86

Charles Banister 7 Nov 87

Gunner.....William Sargeant.....12 Apr 85

George Parfitt22 Aug 87

Boatswain William J. H. Pitts.. 1 May 87

James McGeachy (act) 18 Aug 87

Carpenter.....John J. T. Honey1 May 88

Midshipman ..Herbert C. J. Grant 30 July 87

Louis C. Woollcombe30 July 87

Arthur J. Payne30 July 87

Harry H. Smyth30 July 87

Naval Cadet ..Arthur G. Smith10 Jan 88

Doveton J. Greentree 10 Jan 88

Arthur C. Harbord ..10 Jan 88

Assist. Clerk ..Herbert A. Gyles 1 June 88

(lent to 'Herc.') 4 July 88

Commissioned at Devonport, 16th April 1886.

Asst. Paym.... Charles B. Dawes .. 9 Mar 88
Engineer John H. Walton 4 July 87
Asst. Eng. Benjamin J. Watkins 19 Oct 87
 Arthur F. Kingsnorth 21 Apr 80
 Thomas P. Jackson .. 5 Nov 87
 Harry Basson (act) .. 24 Nov 87
 Joseph H. Thompson (act)
 24 Nov 87

Junner Henry A. Beaver 31 Mar 87
 (T) Daniel G. O'Connell
 3 Sept 85

Boatswain .. Thomas Doyle 24 Nov 87
 George W. Bracey 20 Mar 88
 George Payne (act) .. 19 Oct 85
 Alexander H. Thomson (act)
 24 Nov 87

Carpenter Charles Jope 31 Dec 85
Midshipman ... John L. C. Taylor 16 July 87
 Arthur D. Katinakis 18 July 87
 Francis E. Massy-Dawson
 10 Jan 88
 Thomas P. Bonham 10 Jan 88
 John B. Hancock 10 Jan 88
 Pasfield V. Oliver 10 Jan 88
 Gerald T. F. Pike 10 Jan 88

Midshipman, R.N.R. Joshua C. Brooks 9 June 88
Naval Cadet .. Arthur H. C. C. Homo 10 Jan 88
Clerk Wilfred J. Carter ... 11 Aug 88
 Ernest A. Redman .. 27 Nov 88
 (Lent to 'Iris')

Asst. Clerk .. Vincent A. Lawford .. 7 Apr 88
 George W. Osmond ... 11 Apr 88
 (Lent to 'Collingwood')

The following Officer is borne as additional for
 service as Transport Officer afloat.
Lieutenant Edward B. Fletcher. 30 June 88

Officers whose appointments bear date prior to
 24 November 1887, were either transferred from
 the 'Minotaur,' or were previously serving in the
 'Northumberland' in Reserve.

Commissioned at Portsmouth, 24th November
 1887.

394 RACCOON, 6. Twin Screw Cruiser, 3rd Class.

1770 Tons. 4500 H.P.

Commander.... John M. McQuhao .. 4 July 88
Lieutenant (N) John F. Stuart .. 26 Jan 88
 Lionel G. Tufnell.... 4 July 88
 Drury St. A. Wako .. 4 July 88
Chief Engineer.. William S. Stribling 7 Feb 87
Sub-Lieut. John K. Laird 4 July 88
Surgeon..... Standish T. O'Grady (lent)
 4 July 88

Asst. Paym. } Frederick W. Mortimore (lent)
 in Charge. } 4 July 88
Asst. Engineer.. Richard Collingwood 1 Dec 87
 Frank Main (lent) .. 4 July 88
 Edward W. Liversedge (act) (lent)
 4 July 88

Gunner (T) Edwin Southard 6 Jan 88

Commissioned at Devonport, 4th July 1888.

403 RATTLESNAKE, 1. Twin Screw Gun-Boat, 1st Class.

550 Tons. 2700 H.P.

Portsmouth.

(Tender to 'Vernon')

Lieutenant } (T) Thomas F. W.
 and Com. } Ingram 20 Sept 87
Lieutenant (N) Macleod A. Cock-
 craft 26 Aug 87
Chief Engineer Thomas H. Hyde 13 Apr 88
Sub-Lieut. Michael Culme-Seymour
 4 July 88

Henry O. Boger (act) 4 July 88
Surgeon Alfred T. Rimell 28 Apr 87
Gunner William B. Mather .. 7 Mar 88
 (In lieu of a Sub-Lieutenant.)
 (Borne in 'Vernon')

417 RODNEY, 10. Twin Screw Battle Ship, 1st Class. Armoured.

10,300 Tons. 11,500 H.P.

Flag Ship of the Second in Command of
 "B" Squadron.

Rear Admiral.. Robert O'B. Fitz Roy, C.B.
 3 July 88
Flag Lieut. Robert K. Arbuthnot (lent)
 3 July 88
Secretary Henry W. Paul 3 July 88
Clerk to Sec. .. Arthur W. Morrell (lent)
 3 July 88

Captain..... Arthur W. Moore .. 20 June 88
Commander.... Henry Leah 20 June 88
Lieutenant Lionel A. W. Barnes-
 Lawrence 20 June 88
 Arthur C. Heathcote (lent)
 20 June 88

(G) Arthur W. Waymouth (lent)
 20 June 88
 Edward L. Lowdell. 20 June 88
 (T) William I. Grant (lent) 20 June 88
 Ernest C. Hogg 20 June 88

Staff Com. Henry S. Penn 22 Apr 87
Major Mar. Henry A. Peake 20 June 88
Staff Surg. Richard S.P. Griffiths 20 June 88
Fleet Paym..... William B. Ramsey .. 20 June 88
Fleet Engineer William J. Hancock 5 Feb 88
Sub-Lieut William D. Church (act)
 4 July 88

Charles F. Thorp (act) 3 July 88
Surgeon..... Hamilton E. L. Earle (lent)
 20 June 88

Asst. Paym. .. Howard Cleveland (lent)
 20 June 88

Engineer John A. Murray (lent) 20 June 88
Asst. Engineer.. Alfred Hart 21 Oct 87

James H. Watson (lent) 20 June 88
 Herbert B.T. Cox (lent) 20 June 88
Gunner Thomas Kirby 4 Mar 88

Commissioned at Devonport, 4 July 1888.

47 SEVERN, 12. *Twin Screw
Cruiser, 2nd Class.*

4050 Tons. 6000 H.P.

Captain.....	Adolphus F. St. Clair	4 July 88
Sub-Lieut.	Patrick C. Dudgeon..	4 July 88
	Francis W. Keary ..	4 July 88
	Louis F. Blackburn..	4 July 88
	(G) Charles L. Napier (lent)	4 July 88
	Ivan G. Humphreys	4 July 88
Nav. Lieut.	John H. Woodward..	25 Mar 87
Lieut. Mar.	Ernest E. Chown	4 July 88
Staff Surg.....	Richard J. Barry (lent)	4 July 88
Paymaster	Henry A. Malaher ..	4 July 88
Fleet Eng.....	Edward H. Willey ..	27 May 85
Sub-Lieut.	Philip W. Dumas (act)	4 July 88
Engineer	William Fedarb (b)..	3 Sept 87
Assist. Eng.	John T. H. Ward	21 Jan 88
	Henry J. Allen (lent)	4 July 88
Gunner	Alphonso Styles	24 Aug 87
	(T) James Atfield (lent)	4 July 88
	Frank James (lent) ..	4 July 88
Boatswain.....	Arthur Way	15 Sept 87
	John Cole (act)(lent)..	4 July 88
	George Hawkins (act) (lent)	4 July 88
Carpenter	Richard Taylor	3 June 84
Clerk	George P. Wilson	4 July 88
Commissioned at Portsmouth 4 July 1888.		

Engineer	James Maling.....	28 Nov 87
Assist. Eng.	John A. Richards....	1 Feb 88
	Charles W. Bolt (act) (lent)	4 July 88
Gunner.....	Stephen Hopes.....	12 Oct 85
Boatswain	Richard H. Trigger ..	5 May 88
	Thomas Hearne	11 Oct 87
	Frederick W. S. Crocker	14 June 88
Carpenter.....	James Cornish.....	28 Sept 85

Re-commissioned at Devonport, 6th August 1888, with crew turned over from the 'Valiaht.'

465 SPIDER, 1. *Twin Screw
Gun-Boat, 1st Class.*

525 Tons. 3000 H.P.

Lieut. and	(T) Francis J. Foley	
Commander }	(lent)	4 July 88
Lieutenant	(N) Hugh B. Hawkshaw	4 July 88
Chief Eng	George Elbrow.....	10 Aug 87
Sub-Lieut.....	Robert F. Scott(act)..	4 July 88
	George H. Borrett (act)	12 July 88
Surgeon	William H. O'Meara	
	(lent)	4 July 88

Commissioned at Devonport, 4th July 1888.

450 SHANNON, 9. *Screw
Cruiser, 1st Class. Armoured.*

5390 Tons. 3370 H.P.

(Ship of First Reserve.)
Coastguard Service.
Bantry.

Captain.....	Francis R. Blackburne	1 Nov 86
Commander ..	Reginald A. Brock ..	5 Oct 87
Lieutenant	Ernest G. Rason	13 Oct 87
	William Ainger	12 Jan 88
	John A. Colwell	10 Apr 88
	Claud A. W. Hamilton	17 Apr 88
	Henry E. Kellett (lent)	4 July 88
Nav. Lieut.	Henry O. Roche	1 May 87
Captain Mar.	Edward A. Wyldo ..	29 Oct 86
Lieutenant }	Frederick N. Templar	20 Aug 87
Mar. Art. }		
Lieut. Mar.	Alexander H. Dennys	27 Apr 87
Chaplain	Rev. Charles M. Vaughan,	
	L.T.H.	5 Aug 85
Staff Surg.	William P. M. Boyle	15 Nov 87
Staff Paym.....	Frederick G. Farrow	5 Aug 85
Fleet Eng.....	Robert Anderson..	14 Nov 85
Sub-Lieut.....	William E. Oliver (act.)	12 July 88
Surgeon	James M. Franco....	15 Nov 87
Assist. Paym.	Harcourt W. B. Delafons	22 Feb 86
	(Lent to Black Prince.)	
	George F. Miall.....	14 Apr 88

482 TARTAR, 6. *Twin Screw
Cruiser, 3rd Class.*

1770 Tons. 3500 H.P.

Commander....	Gerald C. Langley ..	4 July 88
Lieutenant	Arthur J. Horsley ..	4 July 88
	(N) John F. Mills	31 Jan 88
	Francis S. Miller	4 July 88
Chief Eng.....	Edward Jackson....	13 Sept 86
Sub-Lieutenant	George F. E. Nugent	4 July 88
Surgeon	William H. Norman	4 July 88
Assist. Paym. }	Frederick W. J. Aitroy	
in charge. }	(lent)	4 July 88
Assist. Eng.	Charles E. Shorey ..	4 Feb 87
	William H. Pallott (lent)	4 July 88
Gunner	(T) John Edwards..	18 Jan. 87

Commissioned at Sheerness, 4th July 1888.

492 THAMES, 12. *Twin Screw
Cruiser, 2nd Class.*

4050 Tons. 5700 H.P.

Captain	Charles B. Theobald..	4 July 88
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Lieutenant Powell C. Underwood 4 July 88
 Walter F. Stirling (*lent*) 4 July 88
 George L. B. Bennett (*lent*) 4 July 88
 (N) Alfred Whitehouse 26 Mar 87
 (G) Reginald B. Colmore (*lent*) 4 July 88
 Laurence A. Tawney 4 July 88
Lieut. Mar. Bertram C. Couchman 4 July 88
Staff Surgeon .. Evelyn R. H. Pollard (*lent*) 4 July 88
Paymaster Reginald O. Bray 4 July 88
Staff Engineer .. John A. Lemon 9 Sept 85
Sub-Lieut. Maurice Woolcombe (*act*) 4 July 88
Engineer Arthur W. Turner .. 11 Jan 86
Assist.-Eng. .. John W. Booth 5 Dec 87
 William W. Pearce 5 Dec 87
 John H. Jeukin (*act*) (*lent*) 4 July 88
Gunner Thomas Williams .. 26 Nov 85
 (T) George Jennings (*lent*) 4 July 88
Boatswain Martin Jackson (*lent*) 4 July 88
 Samuel Collins (*lent*) .. 4 July 88
 Richard Oliver (*lent*) .. 4 July 88
 Henry Penfold (*lent*) 4 July 88
Carpenter William Blackmore .. 28 Oct 84
 Commissioned at Devonport, 4 July 1888.

Midshtpman .. Charles D. Johnson .. 20 Aug 87
 Edward H. F. Heaton-
 Ellis 20 Aug 87
 St. John H. Wagstaff 16 Sept 87
 Edward Reeves 2 Nov 87
 Arthur B. F. Dawson 2 Nov 87
 John Luce 16 May 88
 Malcolm S. Pasley .. 2 Nov 87
 Arnold Kirke 16 May 88
 Francis M. Leake .. 16 May 88
 Hugh L. P. Heard .. 16 May 88
 Henry L. Mawbey .. 20 Oct 87
 Alexander Farrington 3 May 88
 Archibald P. MacEwan 3 May 88

Commissioned at Portsmouth, 21st September 1885.

533 WARSPITE, 10. *Twin Screw Cruiser, 1st Class. Armoured.*

8400 Tons. 10,000 H.P.

Captain Edmund J. Church .. 20 June 88
Commander John W. Osborne .. 20 June 88
Lieutenant Gerald Elias 20 June 88
 Francis S. Ommanney (*lent*) 6 July 88
 William J. Scullard (*lent*) 20 June 88
 (G) George S. Warrender (*lent*) 20 June 88
 (T) Arthur Barry (*lent*) 20 June 88
 Francis G. Eyre 25 June 88
Staff Com. Clifford Bawden 14 Mar 87
Captain Mar. .. Stewart P. Falls 20 June 88
Fleet Surg. William H. Stewart, M.B. 20 June 88
Fleet Paym. William H. Whichelo 20 June 88
Fleet Eng. John H. Harvey 10 Oct 84
Sub-Lieut. Hon. Randle A. Bootle-
 Wilbraham (*act*) .. 12 July 88
Surgeon George A. Waters, M.D. (*lent*) 20 June 88
Assist. Paym. .. Charles E. W. Horner (*lent*) 20 June 88
Engineer Charles F. H. Tilbrook 6 Mar 88
Assist. Eng. William H. Meadus (*lent*) 20 June 88
 Joseph H. H. Ireland (*lent*) 20 June 88
 Arthur C. Darloy (*act*) (*lent*) 20 June 88
Gunner John Swanson 3 Jan 88
Boatswain ... John Robbins 16 Aug 84
 Alfred Payne (*lent*) .. 20 June 88
 Henry K. Hoskins 20 June 88
Carpenter William Westlake .. 20 Apr 86
 Commissioned at Chatham 20th June 1888.

526 VOLAGE, 12. *Screw Cruiser, 2nd Class.*

3080 Tons. 4530 H.P.

Training Squadron.

Captain Charles Johnstone .. 21 Sept 85
Lieutenant Frederick G. Stopford 14 Oct 86
 (N) James Cuddy .. 30 June 88
 (G) Cresswell J. Eyres 13 Sept 87
 Godfrey Gore-Browne 1 May 88
 Frederick K. O. Gibbons 12 Nov 87
 Thomas S. Gooch .. 1 Nov 87
 Rev. Wilson Highmoor, B.A. 15 Dec 85
Chaplain and }
Nav. Ins. ...} }
Paymaster James A. Bell 21 Sept 85
Fleet Eng. Samuel I. Bird 14 Nov 87
Sub-Lieut. Herbert J. O. Millar. 1 Nov 86
Surgeon Archibald McKinlay .. 1 Dec 87
 (In lieu of a Staff Surgeon.)
 James J. Walsh, M.B. 26 Aug 87
Asst. Paym. .. Herbert B. Hill 18 Nov 87
Engineer William R. Apps 22 Nov 87
Assist. Eng. Francis W. David (*act*) 19 Apr 88
Gunner John G. Delaney 3 Nov 87
Boatswain Edward Lawler 29 Oct 87
Carpenter William Keohane 2 June 87

LIST OF TORPEDO BOATS.

TORPEDO BOAT No. 25.

Lieut. & Com....Cecil F. Lambert (*lent*) 4 July 88
Sub-Lieut.Henry Blackett (*act.*) 14 July 88
Gunner.....Alfred Turton (*lent*) 4 July 88
(*Borne in 'Vernon.'*)

TORPEDO BOAT No. 41.

Lieut. & Com....Arthur T. Taylor.... 4 July 88
Sub-Lieut.Philip H. Colomb (*act.*) 14 July 88
Gunner.....James J. Tapper (*lent*) 4 July 88
(*Borne in 'Vernon.'*)

TORPEDO BOAT No. 42.

Lieut. & Com....Augustus R. C. Warren 4 July 88
Sub-Lieut.Percy W. Rimington (*act.*) 14 July 88
BoatswainJohn Prendergast .. 4 July 88
(*Borne in 'Vernon.'*)

TORPEDO BOAT No. 45.

Lieut. & Com....Arthur D. Ricardo (*lent*) 4 July 88
Sub-Lieut......Alexander P. Davidson (*act.*) 12 July 88
GunnerRobert Brooking (*lent*) 4 July 88
(*Borne in 'Defiance.'*)

TORPEDO BOAT No. 49.

Lieut. & Com....Francis J. Patteson .. 4 July 88
Sub-Lieut......Brian H. F. Barttelot (*act.*) 14 July 88
BoatswainGeorge H. Adams (*act.*) (*lent*) 4 July 88
(*Borne in 'Vernon.'*)

TORPEDO BOAT No. 50.

Lieut. & Com....Llewellyn E. Traherne 4 July 88
Sub-Lieut......Gilbert C. H. Wintlo (*act.*) 14 July 88
BoatswainJohn Welsh (*act.*) (*lent*) 4 July 88
(*Borne in 'Vernon.'*)

TORPEDO BOAT No. 51.

Lieut. & Com....Stewart C. Weigall (*lent*) 4 July 88
Sub-Lieut......George R. Mansell (*act.*) 4 July 88
GunnerJames Oliver (*lent*) .. 4 July 88
(*Borne in 'Defiance.'*)

TORPEDO BOAT No. 52.

Lieut. & Com....Robert J. Prendergast 4 July 88
Sub-Lieut......Henry B. Pelly (*act.*) 4 July 88
GunnerThomas M. Major (*lent*) 4 July 88
(*Borne in 'Defiance.'*)

TORPEDO BOATS No. 53.

Lieut. & Com....Henry J. L. Clarke (*lent*) 4 July 88
Sub-Lieut......Arthur H. Walsh (*act.*) 4 July 88
GunnerWilliam Branch (*lent*) 4 July 88
(*Borne in 'Defiance.'*)

TORPEDO BOAT No. 54.

Lieut. & Com....Gerald A. Heyman .. 4 July 88
Sub-Lieut......Crawford MacLachlan (*act.*) 4 July 88
GunnerJohn Endicott (*lent*) .. 4 July 88
(*Borne in 'Defiance.'*)

TORPEDO BOAT No. 55.

Lieut. & Com....Frank H. Peyton (*lent*) 4 July 88
Sub-Lieut.Raymond A. L. Ozzard (*act.*) 4 July 88
GunnerGeorge H. Wearing (*act.*) (*lent*) 4 July 88
(*Borne in 'Defiance.'*)

TORPEDO BOAT No. 57.

Lieut. & Com....Frederick H. Eagles 4 July 88
Sub-Lieut.Henry A. B. Shrubb (*act.*) 4 July 88
GunnerWilliam H. Gribble (*lent*) 4 July 88
(*Borne in 'Defiance.'*)

TORPEDO BOAT No. 72.

*Lieut. & Com...*Somerset A. G. Calthorpe
(*lent*) 4 July 88
*Sub-Lieut.*Samuel M. Agnew (*act.*)
14 July 88
*Boatswain*Jeremiah McCarthy (*act*) (*lent*)
4 July 88
(*Borne in 'Vernon.'*)

TORPEDO BOAT No. 76.

*Lieut. & Com...*Ralph Hudleston (*lent*) 4 July 88
*Sub-Lieut.*Judge D'Arcy (*act.*).. 4 July 88
*Boatswain*Thomas Johnstone (*lent*) 4 July 88
(Borne in 'Duncan.')

TORPEDO BOAT No. 78.

Lieut. & Com... Henry H. Campbell.. 4 July 88
Sub-Lieut. Arthur L. Macnamara
(act.) 4 July 88
Gunner Richard Cowle (tent) 4 July 88
(Borne in 'Duncan')

TORPEDO BOAT No. 79.

*Lieut. & Com.*Stuart Nicholson (*lent*) 4 July⁸⁸
*Sub-Lieut.*Douglas R. L. Nicholson (*ack*) 11 July⁸⁸
*Gunner*John Courtneil (*lent*) 4 July⁸⁸
(Borne in 'Vernon'.)

TORPEDO BOAT No. 80.

Lieut. & Com. Arthur Dodgson (*lent*) 4 July⁸⁸
Sub-Lieut. Charles B. Miller (*act.*) 14 July⁸⁸
Gunner Joseph R. Edwards (*lent*) 4 July⁸⁸
(Borae in 'Vernon.')

TORPEDO BOAT No. 81.

Lieut. & Com... (T) Henry B. Jackson (lent)
 Sub-Lieut. Arthur C. Loveson (act.)
 Henry G. G. Sandeman (act.)
 Gunner Henry P. French (act.) (lent)
 (Borne in 'Vernon.')