

1st Dks., R. Q. Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. 12162
SAT. 17 SEP 1898

State if Report is also sent on the Machinery of the Vessel.

Received at London Office.

Date of completion of Report 14th Sept 1898
Date, First Survey 17th May 1897

Port of Greenwich
Last Survey 10th September 1898
Rig 2 Masts.

Survey held at Greenwich & Paisley
On the S.S. "Ajax"

TONNAGE under
Tonnage Deck 157.27
Do. of Poop 29.9
Do. of Raised Qr. 10.55
Do. of Forecastle 3.77
Do. of Houses on Deck 12.55
Do. of excess of Hatchways 244.04
Do. above Crown of Engine Room 12.86
Gross Tonnage 210.83
Less Crew Space 146.27
Less above Crown of Engine Room 5.16
TONNAGE FOR FEES 71.95

ONE OR TWO DECKED VESSEL.

CLASS +100A1

Master

Year of appointment

(1) As master in service of
owner of present vessel:—18
(2) As master of this
vessel:—18

Built at Greenwich

When built 1898

Launched 22nd January 1898

By whom built Fairchild Maclean & Co.

Owners R. Simpson & Co. Ltd.

Managers

(Where necessary to be entered in Reg. Book).

Residence Hull

Port belonging to Hull

and

Half Breadth (moulded) 11.45

Depth from upper part of Keel to top of Main Deck Bms. 11.5

Girth of Half Midship Frame (as per Rule) 19.30

1st Number 42.25

Length on deck from after part of stem to fore part of stern post 129.0

2nd Number 54.50

Proportions—Breadths to Length 5.63

Depths to Length—Main Deck to top of Keel 11.21

Destined Voyage Cruising

If Surveyed while Building, Afloat, or in Dry Dock.

LENGTH on Deck as per Rule 129 0 BREADTH Moulded 22 10 3/4 DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams 10 0 No. of Decks with Flat laid one No. of Tiers of Beams one

Dimensions of Ship per Register, Length, 130.6 breadth, 23.05 depth, 9.8. Moulded Depth, 11 ft. 0 ins. Round of Beam, Actual 6 ins.

FRAMING.				FORGINGS AND CASTINGS.			
	Inches in Ship.	Inches in Ship.	Inches in Ship.		Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, E or I Bars, for 1/2 length amidships	3	2 1/2	5 1/3	KEEL, Bar or Side Plates depth and thickness	7 1/2 x 1 1/8	7 1/2 x 1 1/8	7 1/2 x 1 1/8
Do. for 1/2 at each end	3	2 1/2	5 1/3	STEM, moulding and thickness	6 x 1 1/8	6 x 1 1/8	6 x 1 1/8
Do. in way of Double Bottoms at Solid Floors				STERN-POST for Rudder do. do.	6 x 3	6 x 3	6 x 3
" " at intermdt. Bkts.				" for Propeller			
Distance of Frames from moulding edge to moulding edge, all fore and aft	21		121	MAIN PIECE of Rudder, diameter at head...	4	4	4
REVERSED FRAME, Angles	2 1/2	2 1/2	5 1/3	do. at heel	2 1/2 x 2 1/4	2 1/2 x 2 1/4	2 1/2 x 2 1/4
DEEP FRAMING, depth of girder				RUDDER, how constructed	Forged & plated		
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	18	6	18	Can the Rudder be unshipped afloat?	Yes		
" in way of Engines and Boilers		7 x 8	7 x 8				
" thickness at the ends of vessel		5	5				
" depth at 1/2 the half breadth, as per Rule	See Section						
" height extended at the Bilges							
FLOORS & BRACKETS, in C&H Double Bottoms							
" " Distance apart							
CENTRE GIRDER, in Double Bottom, depth and thickness							
" " Angles, Top							
" " Bottom							
HIDE GIRDERS, number on each side & thickness							
" " Angles							
MARGIN PLATE, depth (exclusive of flange) and thickness							
" " Angles to Outside Plating							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake							
" " thickness in Engine and Boiler space							
" " Remainder in Holds							
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	8 1/2				
" " Angles on Upper Edge							
" " Average space	42		42				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
" " Angles on Upper Edge							
" " Average space							
BEAMS, Hold, Plate or Tee Bulb							
" " Angles on Upper Edge							
" " Average space							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							
" " Angles on Upper Edge							
" " Average space							
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb	4 1/2	3	6 1/2				
" " Angles on Upper Edge							
" " Average space	42		42				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	6 1/2				
" " Angles on Upper Edge							
" " Average space	42		42				
BILLARS, in 'tween Decks, Size and Spacing	2 1/2	42	2 1/2				
" " Hold	2 1/2	42	2 1/2				
" " Quarter, 'tween Dks., "							
" " in Hold							
WEB FRAMES, in Fore Body, No. and Spacing							
" " Breadth & Thickness							
" " No. of Side Stringers							
WEB FRAMES, in E. & B. Space, No. & Spacing							
" " Breadth & Thickness							
WEB FRAMES, in After Body, No. and Spacing							
" " Breadth & Thickness							
" " No. of Side Stringers							
" " Size of Angles or Tee Bars to Web Frames							
BACKSTAY PLATES to Stringers between Web Frames, Depth and Thickness							
				KEELSONS AND STRINGERS.			
					Inches in Ship.	Inches in Ship.	Inches in Ship.
				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
				" Rider Plate			
				" Bulb Plate to Intercoastal Keelson			
				" Horizontal Plates on Floors			
				" Angles	9	3	10
				SIDE KEELSON, Angles			
				" Bulb or Plate above floors for			
				" Intercoastal Plate for			
				" Attached to outside plating with Angle			
				BILGE KEELSON, Angles	3	3	6
				" Bulb or Plate above floors for	5 1/2	5	5 1/2
				" Intercoastal Plate for			
				" Attached to outside plating with Angle			
				BILGE STRINGER Angles	5	4	9
				" Bulb Plate for			
				" Intercoastal Plate for			
				" Attached to outside plating with Angle			
				SIDE STRINGER Angles			
				" Bulb or Intercoastal Plate for			
				" Attached to outside plating with Angle			
				Main and Raised Quarter Deck Stringer	31	6	31
				Plate, breadth and thickness			
				" Angle on ditto	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6
				" Tie Plates fore & aft, outside Hatchways			
				" Diagonal Tie Plates on Bms, No. of Pairs	In way of 2 1/2 B space		
				" Main Dk* Iron or Steel for	6 x 5		6 x 5
				" R. Q. Dk* Iron or Steel for			
				" Wood Deck, Material & thickness	P. Pine	3	3
				Lower Deck Stringer Plate, breadth and thickness			
				" Angles on ditto, No.			
				" Tie Plates, outside Hatchways			
				" Deck* Material and thickness			
				Hold Stringer Plate			
				" Angles on ditto, No.			
				Poop Deck Stringer Plate, breadth & thickness			
				" Angle on ditto			
				" Tie Plates			
				" Deck, Material and thickness			
				Bridge Deck Stringer Plate, brdth & thickness	21	5	21
				" Angle on ditto	3 x 2 1/2 x 5	3 x 2 1/2 x 5	3 x 2 1/2 x 5
				" Tie Plates	6	5	6
				" Deck, Material and thickness	P. Pine	2 1/2	2 1/2
				Forecastle Deck Stringer Plate, brdth & thcknss	21	5	21
				" Angle on ditto	3 x 2 1/2 x 5	3 x 2 1/2 x 5	3 x 2 1/2 x 5
				" Tie Plates	6	5	6
				" Deck, Material and thickness	P. Pine	2 1/2	2 1/2
				* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.			
				BULKHEADS.			
					Number	Thickness	STIFFENERS.
					In Vessel.	Per Rule.	Horizontal.
							Vertical.
							Single or Double Frames.
							Height up.
				W.T. BULKHEADS	3	3	5
				PARTITION			
				LONGITUDINAL			
				Are the outside Plates doubled two spaces of Frames in length?			
				Are the Sluice Valves and Watertight Doors in efficient working order?			

PLATING.										RIVETING.									
AS IN SHIP.										PER RULE OR AS APPROVED.									
STRAKES.					EDGES.					BUTTS.									
AMIDSHIP.					RIVETS.					STRAPS.									
BREADTH.					THICKNESS.					BREADTH.									
INCHES.					INCHES.					INCHES.									
FLAT PLATE KEEL 31 8 8 8 31 8 (If Bar Keel, state riveting) GARBOARD OR A STRAKE 45 7 6 6 45 7 State actual thickness in way of Double Bottom. C " 53 7 5 5 53 7 D " 45 7 6 6 45 7 E " 53 6 5 5 53 6 F " 41 9 7 7 41 9 G " H " J " K " L " M " N " O " P "										Double or Treble and for what Length. Rivets. Straps. If Lapped. Diam. Spacing. Breadth. Thickness. Breadth. Length.									
DOUBLE LINE OF PLATE KEEL Length and thickness of Sheerstrakes. as approved increased 1/2" for 1/2" length. of Strake below. * Doubling plate at bilge 26" 2" as compensation for butts not being fully overlapped, as per Secretary's order 37 Oct 97/11. PEER SIDES RAISED QUARTER DECK SIDES 6 5 6 5 BRIDGE SIDES 5 5 FORECASTLE SIDES 5 5 LENGTHS OF PLATING 15 feet 9 ins.										Single or Double. Rivets. Straps. If Lapped. Diam. Spacing. Breadth. Thickness. Breadth. Length.									
Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c. Siemens-Martin Steel from Mossend, Consett, Glasgow, Calderbank, Steel Co. of Scotland, and from Robert.										Main Stringer Plate Butts, treble riveted for length amidship. Straps, single, double or overlapped for length amidship. Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? Inner Bottom Plating, riveting of Edges Butts. Centre Girder Butts, riveted. Keelson Butts, riveted. Frames, riveted through Plates with 1/4" in. Rivets, about 5/4" apart. Rivets, state whether of Iron or Steel Iron.									
FRAMES extend in one length from centre line to gunwale. REVERSED FRAMES on floors and frames extend from centre line to gunwale. Turn of bilge in way of Main Bk. to gunwale. Upper side stringer alternately in way of R.D. Deck. Double in E.B. space, bilge bilge.										MASTS, SPARS, &c. Material. Total length. At Partners. Heel. Hounds. Head. No. of Plates in round. Number. Size. Seams. Butts. LOWER MASTS Fore P. Pine 57.0 13 10 1/2 11 6 Main 41.0 10 13 10 6 Mizzen Bowspit Topmasts, Yards and Remainder of Spars Rigging, Material and Size, Shrouds 2 1/4" and Stays 2 1/2" of Galvanized Steel wire Sails One Suit of Sails and the following spare sails									
EQUIPMENT No. 5918 LETTER d. TONNAGE FOR TRAWLERS U.K. ANCHORS.										CHAIN CABLES. Number of Certificate. Fathoms. Size. Test per Certificate. Weight of Chain Cable. Fathoms and Size per Table 22. Description. Makers of Cables. When and where tested, and Superintendent. 1340 165 1/2 20 1/2 14.3.0 14.1.11 165 1/2 Steel R.S. Taylor & Sons 13/9/97. Sunderland. H.T. Wolford Sept. 1341 165 1/2 20 1/2 14.3.0 14.1.11 165 1/2 Steel R.S. Taylor & Sons 13/9/97. Sunderland. H.T. Wolford Sept.									
Boats 2 Life. Pumps, Number 3. Diameter of Barrel 3" 3. State whether they are in efficient working order. Yes. Windlass is Emerson Walker & Thompson Motors. Capstan. 18" Steam pump by R. Dodge & Co. Stockton. Engine Room Skylights. How constructed? of lead, on steel framing. What arrangements for deadlights in bad weather? Strong shutters fitted with bulls eyes. Coal Bunker Openings. How constructed? of plate & angles. How are lids secured? 23 matches. Height above deck? 15". Number of Scuppers, and number and dimensions of Freeing Ports, &c. On each side 4 scuppers, 3 Ports 37x16, and 2 Ports 25x16. Ceiling in Holds, thickness and material 2" Red Pine. Ceiling 'tween Decks, thickness and material 2" pine close lined. Cargo Hatchways. How formed? of steel plates & angles. Hatches. If strong and efficient? Yes. 2 1/2" thick. State size No. 1 Hatch (Forward) 7-0 7/4 6. No. 2 Hatch 8-9 7/4 6. No. 3 Hatch No. 4 Hatch Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch. No wood fore & after to each hatchway. Bulwarks, height above deck and description 36 x 6 1/2" steel. No. of Breasthooks 3 deep floors. No. of Crutches. Deep floors. 6 x 3 1/2" bull angle, and 2 1/2" hollow eye iron. The above is a correct description. Builder's Signature (here only.) Carmichael, Maclellan & Co. Surveyor's Signature J. Phillips Surveyor to Lloyd's Register of British and Foreign Shipping.										HAWSERS AND WARPS. Material. Fathoms. Size. Breaking Test of Steel Wire Towline. Fathoms and Size per Table 22. HAWSLINE 75-2 1/2 9 1/2 75-2 1/2 HAWSER 90-4 11/16 90-4 WARP									

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) 28/4/97 M. 6/5/97 M. and 28/6/97 E. 27/10/97 M.

Workmanship. Are the butts of plating planed or otherwise fitted? Planed, where practicable.

Is the riveted work properly closed? Yes.

Are the liners between the frames and plates solid single pieces? Yes.

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c, conform well to each other? Yes, generally.

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? Yes.

Do any rivets break into or through the seams or butts of the plating? Yes, a few in the butts.

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes.

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par 24)? Yes.

State results of tests. Satisfactory.

Have all the gutterways been tested as required by the Rules (Sec. 23, par 25)? Yes.

State results of tests. Satisfactory.

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the Rules, and the approved drawings of which the Sketches of Machinery Section, Longitudinal section of the pumping arrangements are now in the London office.

The workmanship is of good quality.

Iron plates are embedded in the cement under each sounding pipe.

One report of forgery enclosed herewith.

This is a Sister vessel to the S.S. "Rey" Greenock, 1st Entry Report 1012130.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK. Length of Poop ft., R.Q.D. or Break 58 ft., Bridge Deck ft., F'castle 24 ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated. Rouse.

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 18 1/2 w.b. 16 b.m.

Official No. ; Signal Letters.

How are the surfaces preserved from oxidation? Inside by paint & Portland Cement Outside by paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors.

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft.			Fore peak tank.		
Double bottom, under Engines and Boilers.			After peak tank.		
Double bottom, if under Engines only.			Midship deep tank.		
Double bottom, if under Boilers only.			Other tanks, if fitted.		
Double bottom, forward.			(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules. Yes.

Order for Special Survey No. 1882.

Date 29th April 1897.

Days of Surveys held while building.

Printed under Special License & Surveyed, 1897. May 17. 21. 25. June 23. 29. July 13. 16. 20. 29. Aug 3. 6. 9. 16. 20. 25. Sep 1. 7. 11. 25. Oct 6. 7. 18. 20. 27. Nov 2. 5. 10. 16. 20. 27. 30. Dec 6. 9. 11. 14. 18. 24. 28. 1897. Jan 11. 17. 22. 29. Feb 25. Aug 24. Sep 5. 7. 9. 10.

No. 12 in builder's yard.

Total No. of Visits 48.

The amount of Entry Fee £ 2 : : : Fees applied for, 14. 9. 1888.

Special £ 10 : : : Received by me, 23. 9. 18.

Certificate £ : : : Travelling Expenses, if any £ : : :

State whether the Vessel has been built under Special Survey. Yes.

I am of opinion this Vessel should be Classed 100A.

With, or without Freeboard, as condition of Class.

Committee's Minute. FRI, 14 OCT 1898.

Character assigned 100A1 Steel.

W. J. Phillips.

Surveyor to Lloyd's Register of British and Foreign Shipping.