

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office: TUE. MAR. 31. 1914

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

Date of completion of report *28 Mar. 1914*

Survey held at *Sunderland.*

Port of *Sunderland.*

No. *26069*

On the (State if Single, Twin, or Triple Screw) *single screw*

Date, First Survey, *13 August*

Last Survey *24 March 1914*

TONNAGE under *4368.72*

CLASS *100 A1*

FEET.

Master *H. B. Corney (for voyage to Cardiff only)*

Year of appointment (1) As Master in service of owner of present vessel: *1887*
(2) As Master of this vessel: *1914*

Tonnage Deck

Do. between Tonnage Dk. and 2nd and 3rd Dk.

Total under Upper Dk.

Do. of Poop *60.89*

Do. of Bridge House *17.36*

Do. of Forecastle *64.62*

Do. of Houses on Dk. *41.92*

Do. of excess of Hatchways *29.55*

Do. above Crown of Engine Room *33.72*

Gross Tonnage *85.29*

Less Crew Space *4702.07*

Less above Crown of Engine Room *146.81*

TONNAGE FOR FEES *85.29*

Less Engine Room *4469.97*

Less Navigation Spaces *1504.66*

Register Tonnage *178.42*

as cut on Beam *2872.18*

Breadth (greatest moulded) *51.66*

Depth, at middle of length from top of keel to top of upper deck beams at side *29.50*

Transverse Number *81.16*

Length on deck from fore part of stem to after part of stern post *383.5*

Longitudinal Number *31124*

Depth "d," at middle of length (See Secs. 2 & 13) *26.0*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *13.00*

" " Long Bridge Deck Beam at side to top of keel *10.36*

Destined Voyage *Cardiff for Rio Janeiro*

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

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
	383	6		51	8		27	0 1/2	one	one

Dimensions of Ship per Register, Length *383.5* breadth *52.00* depth *27.00* Moulded depth, ft. *37* ins. *0* To Bridge Dk. Round of Upper Dk. Beam, Actual *122* ins.

FRAMING.				PILLARS.			
FRAME, Angles, or Bars amidships	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS, In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship
Do. in peaks	7	32	44	" " Hold	7	32	44
Do. in way of Double Bottoms at Solid Floors	32	32	40	" " Quarter 'tween Dks.,			
" " " at intermdt. Dkts.				" " in Hold			
Spacing of Frames from centre to centre amidships	26	1	26				
" " " from } length to Collision bulkhead	26	1	26				
" " " in peaks..	24	1	24				
REVERSED FRAME, Angles	Channel framing						
Do. in way of Double Bottoms at Solid Floors	32	32	40				
" " " at intermdt. Dkts.							
FRAMING, depth of girder	12	1	12				
FLOORS, depth and thickness of Floor Plate at mid-line for } length amidships							
" in way of Engine and Boiler Spaces							
" thickness at the ends of vessel							
" depth at 1/2 the half breadth, as per Rule							
" height extended at the Bilges							
FLOORS in Cell. Double Bottoms	40	1	40				
" state if flanged (top & bottom)	not flanged						
" Spacing of Solid floors	26	1	26				
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	42	50	42				
" " Angles, Top	42	42	60				
" " Bottom	42	42	60				
" " to Floors	6	6	46				
" Brackets at intermdt. frmg., width & thkness							
SIDE GIRDERS, number on each side & thickness	two	38	two				
" " state if flanged (top and bottom)	not flanged						
" " Angles (top and bottom)	32	32	40				
" " to Floors	3	3	40				
MARGIN PLATE, depth (exclusive of flange) and thickness	37	46	37				
" Angle to Outside Plating	32	32	46				
" " Floors							
" Brackets at intermdt. frmg., width & thkness							
Height of Outside Brackets above at bilge	24	1	24				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	72	50	72				
" " in Engine and Boiler space	ES-52	BS-56	ES-52				
" " Remainder in Holds	44	1	44				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	32	54				
" In way of Long Bridge	82	3	46				
" Spacing	on every frame						
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	32	54				
" Spacing	on every frame						
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	32	54				
" Angles on upper edge	on alternate frames						
" Spacing	on every frame						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	82	3	46				
" Angles on upper edge	on every frame						
" Spacing	on every frame						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	82	3	46				
" Angles on upper edge	on every frame						
" Spacing	on every frame						

KEELSONS & STRINGERS.			
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	Inches in Ship	Inches in Ship	Inches in Ship
" Rider Plate			
" Flat Plate Keel Angles			
" Horizontal Plates on Floors			
" Angles or Bulb Angles			
SIDE KEELSONS, Number			
" Angles or Bulb Angles			
" Plate above floors, for length			
" Intercoastal Plate, for length			
" Attached to outside Plating with Angle			
BILGE KEELSON, Angles			
" Intercoastal Plate for length			
" Attached to outside Plating with Angle			
SIDE STRINGERS, Number			
" Angle			
" Intercoastal Plate, for length			
" Attached to outside plating with Angle			
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	57	68	57
" " " " (br'dth & thickness in way of Bridge)	57	48	57
" " " " Angle (clear of Bridge)	5	5	60
" " " " Tie Plate at sides of Hatchways			
" Deck * Iron or Steel, for full lng.			
" " Thickness (clear of Bridge) in way of Bridge	44	40	44
" " " " (in way of Bridge)	steel	36	steel
" Wood Deck, Material & thickness			
Second Deck Stringer Plate, br'dth & thickness			
" Angles on ditto, No.			
" Tie Plates outside Hatchways			
" Deck * Iron or Steel, for lng.			
" Wood Deck, Material & thickness			
Third Deck Stringer Plate, br'dth & thickness			
" Angles on ditto, No.			
" Tie Plates, outside Hatchways			
" Deck * Material and thickness			
Fourth and Fifth Deck Stringer Plate, breadth & thickness			
" Angles on ditto, No.			
" Tie Plates outside Hatchways			
" Deck, Material & thickness			
Poop Deck Stringer Plate, breadth & thickness	34	34	34
" Angle on ditto	32	32	34
" Tie Plates where exposed	iron	30	iron
" Deck, Material and thickness	steel	25	steel
Bridge Deck Stringer Plate, br'dth & thickness	53	54	53
" Angle on ditto	42	42	58
" Tie Plates where exposed	iron	42	iron
" Deck, Material and thickness	steel	38	steel
Forecastle Deck Stringer Plate, br'dth & th'kns	34	34	34
" Angle on ditto	32	32	34
" Tie Plates			
" Deck, Material and thickness	iron	30	iron

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

[illegible]

EQUIPMENT No. 38134				ANCHORS				TONNAGE U.K. OR PLATING No. FOR TRAWLERS							
Number of Certificate.	Anchors.	WEIGHT EX STOCK	WEIGHT OF STOCK	TEST PER CERTIFICATE	WEIGHT REQUIRED BY TABLE 31.	Description of Anchor.	Makers.	Where and when tested and Superintendent.							
Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.							
21684	1st Bower ...	60	0	0	Stockless	48	7	2	0	60	0	0	Byers	Not stated.	LPH-LW. 17-1-14. A Green
21693	2nd " ...	60	0	0	do.	48	7	2	0	60	0	0	"	"	22-1-14
21700	3rd " ...	50	3	14	do.	42	18	1	21	50	2	0	"	"	24-1-14
	4th " ...														
	Collective weight	170	3	14						170	2	0			
H2012	Stream	16	2	14	1 14	17	18	1	21	16	1	0	Rodgers	N. Kingby & Sons LPH-T. 7.2.14. C.E. Birnie	
H2011	Kedge	7	3	0	2 1 0	9	18	0	14	7	0	0	"	"	

CHAIN CABLES.										HAWSEERS AND WARPS.									
Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE Supplied.	Length and Size per Table 31.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.	Breaking Test of Steel Wire Towing.	Length and Size per Table 31.								
Fathoms.	Inches.	Tons.	Cwts.	qrs.	lbs.	Fathoms.	Inches.		Fathoms.	Inches.	Tons.								
H3873	135	2 7/8	86 5/8	120 2	325-2-22	135	2 7/8	Shud N. Kingby & Sons LPH-T. 14.2.14. Accused	TOWLINE	120	4 1/4	47	120	4 1/4					
H3874					325-0-11			Link Lond E.	HAWSEERS & WARPS	2-90	2 1/4	15 1/2	2-90	2 1/4					
					325-0-11					2-90	2 1/2	12 1/2	2-90	2 1/2					
					325-0-11					2-90	6 1/2	mould							

Boats Lifeboats 28'0", 2 boats 18'0". Steering Gear, Steam fitted. Steering Gear, Hand fitted.
Pumps, Number 1 down pump & 1 hand pump to fore peak tank. Diameter of Barrel 6 x 6. State whether they are in efficient working order Yes.
Windlass is by Clarke Chapman & Co. Capstan ✓
Engine Room Skylights.—How constructed? Steel plates & angles. What arrangements for deadlights in bad weather? Lights in hinged steel flaps.
Coal Bunker Openings.—How constructed? Steel plates & angles. How are lids secured? Slated battens &c. Height above deck? 18".
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Scuppers through shell each side. 2-3.6 x 1.6 + 2-3.6 x 1.6 1/2 each.
Ceiling in Holds, thickness and material 2 1/2 w. wood. Under hatchways iron plate. Cargo Battens, thickness and material 9 x 2 w. wood.
Cargo Hatchways.—How formed? Steel plates & angles. Hatches, If strong and efficient? Yes 3 thick.
State size No. 1 Hatch (Forward) 26.0 x 18.0 No. 2 Hatch 28.2 x 18.0 No. 3 Hatch 28.2 x 18.0 No. 4 Hatch 26.0 x 18.0.
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch four.
No. of Breasthooks 8 **No. of Crutches** deep floors.
Bulwarks, height above deck and description 4.0 x 26 plate Main Rail, material and size 6 x 3 x 40 B.A.
The foregoing is a correct description. JAMES THOMPSON & SONS, LTD. Surveyor's Signature Rmm McLaren
Builder's Signature (three only) J. Thompson Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) M.H.-7-13, 8-7-13, 24-7-13, 31-7-13. DIRECTOR AND WORKS MANAGER E 28.8.13

Workmanship. Are the butts of plating planed or otherwise fitted? Planed.
Are the rivets work properly closed? Yes.
Are the liners between the frames and plates solid single pieces? Jogged frames & plating Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes. 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? A few
Are the butts of Plating, Stringers, &c., properly shifted and strapped or overlapped? Yes.
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests satisfactory
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests satisfactory

General Remarks (State quality of workmanship, &c.) The materials and workmanship throughout are good

This vessel has been built in accordance with the approved plans, the Secretary's letters as dated above and otherwise in compliance with the Rules of the Society.

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee £ 5 : 0 : 0 Fees applied for, 125.13.14
Special Survey Fee.... £ 136 : 15 : 0 Received by me, 22.4.14
Travelling Expenses, if any £
State whether the Vessel has been built under Special Survey Yes.
I am of opinion this Vessel should be Classed 100 A1
With, or without Freeboard, as condition of Class without
Committee's Minute FRI APR - 3.1914
Character assigned 100 A1.
Royd A.C.P. + G.M.C. 3.14
W.

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GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35.25 ft., R.Q.D. ☒ ft., Bridge 225.33 ft., Forecastle 40.29 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated not joined

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 should appear in the Register Book) 1 Dth (plum plstl) LA+CP

Official No. 133658; Signal Letters _____ State if Machinery is fitted aft no.

How are the surfaces preserved from oxidation? Inside portland cement, paint Outside paint

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

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>131.5</u>	<u>403</u>	Fore peak tank,		<u>108</u>
Double bottom, under Engines and Boilers,	<u>43.33</u>	<u>176</u>	After peak tank,		<u>298</u>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<u>166.83</u>	<u>587</u>	Other tanks, if fitted,		
	Total capacity of double bottom	<u>1166</u>	(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. 5110

Date 27.13

No. 505 in builder's yard.

DATES of Surveys held while building

1913 Aug. 13, 19, 26, 27. Sep. 8, 17, 18, 25. Oct. 2, 6, 14, 17, 22, 27, 29. Nov. 4, 13, 17, 24, 28
Dec. 1, 5, 9, 12, 16, 21. Jan. 13, 14, 20, 22, 24, 26, 27, 28, 30. Feb. 3, 5, 6, 7, 10, 12, 16, 18, 23, 24
Mar. 2, 5, 9, 12, 17, 19, 20, 24

Surveyor's Signature R. M. McLaughlin

Total No. of Visits 53

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