

With or Without

STEEL STEAMER.

Received at London Office NOV. 1916

Disconnected Erections.

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

Date of completion of report Nov 7 1916

Port of Sunderland

No. 26835

Survey held at Sunderland Lightfoot

Date, First Survey 28 May 15

Last Survey 27 October 1916

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

TONNAGE under 1488.53

CLASS 100 A.1

FEET.

Master W. H. Melcalfe

Year of appointment 1916

(1) As Master in service of owner of present vessel: 1904
(2) As Master of this vessel: 1916

Tonnage under 1488.53

Do. between Tonnage Dk. and 3rd and 4th Dk. 51.33

Total under Upper Dk. 1488.53

Do. of Poop 103.70

Do. of R.Q.Dk. 71.37

Do. of Bridge House 38.06

Do. of Forecastle 38.06

Do. of House on Deck 10.74

Do. of excess of Hatchways 106.20

Do. above Crown of Engine Room 1875.37

Gross Tonnage 73.86

Less Crew Space 1801.51

Less above Crown of Engine Room 600.12

AGE FOR FEES 97.67

Engine Room 1103.72

Navigation Spaces

Net Tonnage

on Beam

Length on Deck 267 10 7/8

per Rule

Breadth (greatest moulded) 37.66

Depth, at middle of length from top of keel to top of upper deck beams at side 19.75

Transverse Number 57.41

Length on deck from fore part of stem to after part of stern post 267.85

Longitudinal Number 15377

Depth "d," at middle of length (See Secs. 2 & 13) 20.58

Proportions—Depth to Length—Upper Deck Beam at side to top of keel 13.56

Long Bridge Deck 11.39

Beam at side to top of keel

Destined Voyage London

If Surveyed while Building, Afloat, or in Dry Dock during Construction

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
267	10 7/8	Moulded	37	8	Do.	Do.	17	8	one
Moulded depth, ft. 26 ins. 9 To Bridge Dk. Round of Upper Dk. Beam, Actual 9 1/2 ins.									
Moulded depth, ft. 19 ins. 9 To Upper Dk.									

FRAMING.						PILLARS.					
Inches in Ship.						Inches in Ship.					
AME, Angles, or For	3	3	38	3	38	PILLARS, In 'tween Deck, size and spacing	2 1/2	47	2 1/2	47	
Do. in peaks	5 1/2	3	36	5 1/2	36	" " Hold	3 1/2	47	3 1/2	47	
Do. in way of Double Bottoms at Solid Floors	3 1/2	3	32	3 1/2	32	" " Quarter 'tween Dks.,					
" " at intermdt. Bkts.						" " in Hold					
acing of Frames from centre to centre amidships			23 1/2		23 1/2	KEELSONS & STRINGERS.					
" " length to Collision bulkhead						CENTRE LINE KEELSON, Vertical Plate above					
" " in peaks						floors, Through Plate, or Intercoastal Plate					
VERSED FRAME, Angles	3	3	32	3	32	Rider Plate					
Do. in way of Double Bottoms at Solid Floors						Flat Plate Keel Angles					
" " at intermdt. Bkts.			18		8	Horizontal Plates on Floors					
AMING, depth of girder						Angles or Bulb Angles					
DOORS, depth and thickness of Floor Plate						SIDE KEELSONS, Number					
at mid-line for 1/2 length amidships						Angles or Bulb Angles					
in way of Engine and Boiler Spaces						Plate above floors, for length					
thickness at the ends of vessel						Intercoastal Plate, for length					
depth at 1/2 the half breadth, as per Rule						Attached to outside Plating with Angle					
height extended at the Bilges						BILGE KEELSON, Angles					
DOORS in Cell. Double Bottoms						Intercoastal Plate for length					
state if flanged (top & bottom)						Attached to outside Plating with Angle					
Spacing of Solid floors						SIDE STRINGERS, Number					
NTRE GIRDER, in Dbl. bottom, depth & thickness						Angle					
" " Angles, Top						Intercoastal Plate, for length					
" " Bottom						Attached to outside plating with Angle					
" " to Floors						Upper Deck Stringer Plate, br'dth & thickness					
Brackets at intermdt. frmg., width & thkns						(clear of Bridge)					
DE GIRDER, number on each side & thickness						br'dth & thickness					
state if flanged (top and bottom)						(in way of Bridge)					
Angles (top and bottom)						Angle (clear of Bridge)					
" to Floors						Tie Plate at sides of Hatchways					
MARGIN PLATE, depth (exclusive of flange)						Deck * Iron or Steel, for full lng.					
and thickness						Thickness (clear of Bridge)					
Angle to Outside Plating						(in way of Bridge)					
" Floors						Wood Deck, Material & thickness					
Brackets at intermdt. frmg., width & thkns						Second Deck Stringer Plate, br'dth & thickness					
Height of Outside Brackets above at bilge						Angles on ditto, No.					
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake						Tie Plates outside Hatchways					
in Engine and Boiler space						Deck * Iron or Steel, for full lng.					
Remainder in Holds						Wood Deck, Material & thickness					
BEAMS, Upper Deck, Single Angle, Bulb						Third Deck Stringer Plate, br'dth & thickness					
Angle, Plate, Tee Bulb, or Channel						Angles on ditto, No.					
In way of Long Bridge						Tie Plates, outside Hatchways					
Spacing						Deck * Material and thickness					
BEAMS, Second Deck, Single Angle, Bulb						Fourth and Fifth Deck Stringer Plate, breadth & thickness					
Angle, Plate, Tee Bulb, or Channel						Angles on ditto, No.					
Spacing						Tie Plates outside Hatchways					
BEAMS, Third and Fourth Deck, Single Angle, Bulb						Deck, Material & thickness					
Angle, Plate, Tee Bulb, or Channel						Poop Deck Stringer Plate, breadth & thickness					
Angles on upper edge						Angle on ditto					
Spacing						Tie Plates					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Deck, Material and thickness					
Angles on upper edge						Bridge Deck Stringer Plate, br'dth & thickness					
Spacing						Angle on ditto					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Tie Plates					
Angles on upper edge						Deck, Material and thickness					
Spacing						Forecastle Deck Stringer Plate, br'dth & th'kns					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Angle on ditto					
Angles on upper edge						Tie Plates					
Spacing						Deck, Material and thickness					

WEB FRAMES.				FORGINGS OR CASTINGS.				Inches in Ship.				Inches per Rule Or as Approved.			
WEB-FRAMES, In Fore Body, No. and spacing				KEEL, Bar, depth and thickness				Flat plate Keel				8 x 2 1/2			
" " " " brdth. & thickness				STEM, moulding and thickness				7 x 5 1/2				17 x 5 1/2			
No. of Side Stringers " "				STERN-POST for Rudder do. do.				8 x 5 1/2				18 x 5 1/2			
WEB-FRAMES, In E. & B. Space, No. & spacing				" for Propeller				82.35 x 2 1/2 = 224.8							
" " " " brdth. & thickness				RUDDER-A x D* Table 22. Speed				9 1/2 knots							
WEB-FRAMES, In After Body, No. and spacing				" Main-Piece, diameter at head				7 1/2				7 1/2			
" " " " brdth. & thickness				" " " " at heel				5 1/4				5 1/4			
No. of Side Stringers " "				" " " " " "											
Size of Face Angles to Web-Frames.....				" " " " " "											
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....				" " " " " "											
BULKHEADS.				STIFFENERS.				Single or Double Frames.				Height up state deck.			
Vessel				Number				Thickness				Horizontal			
W.T. BULKHEADS				4				4				62 x 3 1/2 (2)			
Upper Peak				34				34				82 x 4 1/2			
Midship Bldg				28				28				72 x 4 1/2			
" COLLISION "				30-34 x 3 1/2 (1)				30-34 x 4 1/2				" "			
PARTITION "				30-34 x 3 1/2 (1)				30-34 x 4 1/2				" "			
LONGITUDINAL.				30-34 x 3 1/2 (1)				30-34 x 4 1/2				" "			
Are the outside Plates doubled two spaces of Frames in length				Yes				Yes				Yes			
Are the Side Valves and Watertight Doors in efficient working order?				Yes				Yes				Yes			
PLATING.				RIVETING.				EDGES.				BUTTS.			
STRAKES.				AS IN SHIP.				PER RULE OR AS APPROVED.				Ordinary or Joggled?			
FLAT PLATE KEEL.....				43				43				Double			
GARBOARD OR A STRAKE				72				72				72			
B				72				72				72			
C				72				72				72			
D				72				72				72			
E				72				72				72			
F				72				72				72			
G				72				72				72			
H				72				72				72			
I				72				72				72			
J				72				72				72			
K				72				72				72			
L				72				72				72			
M				72				72				72			
N				72				72				72			
O				72				72				72			
P				72				72				72			
Q				72				72				72			
R				72				72				72			
S				72				72				72			
T				72				72				72			
U				72				72				72			
V				72				72				72			
W				72				72				72			
THEROSTRAKES				22.0 x .58 at Bridge front				20.0 x .50 at break of RQD							
POOP SIDES				83				83				83			
SHORT BRIDGE SIDES				83				83				83			
FORECASTLE SIDES				83				83				83			
Upper Deck				Butts riveted for full length amidship.				Butts of Side Stringers				riveted.			
Stringer Plate				RQ				Tie Plates				riveted.			
Second Deck				Butts riveted for full length amidship.				Inner Bottom Plating, riveting of Edges				2R+1R			
Stringer Plate				RQ				Centre Girder Butts, riveted				Keelson Butts, riveted.			
Frames, riveted through Plates with				2 1/2 in. Rivets, about				6 1/2 apart.							
Rivets, state whether Iron or Steel				Iron											
FRAMES extend in one length from				Centre line to margin plate & thence to weather deck				State if ordinary or joggled				Ordinary			
REVERSED FRAMES on floors and frames extend from				Centre line to margin plate				State if ordinary or joggled				Ordinary			
Intermediate frames in bridge				3 1/2 x 3 1/2 x .34											
MASTS, SPARS, &c.				DIAMETER AND THICKNESS.				No. of Plates in round.				RIVETING.			
LOWER MASTS.....				Fore				70.0				20 x 3 1/2			
Main				62.6				20 x 3 1/2				16 x 3 1/2			
Mizzen															
Bowsprit															
Topmasts, Yards and Remainder of Spars				4 Salvaged wire (wade spread)				Stays none							
Rigging, Material and Size, Shrouds				4 Salvaged wire (wade spread)				Stays none							
Sails, Main, Dripsail				Suit of				Sails, and the following spare sails							

EQUIPMENT No. 16371				LETTER 9				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS			
Number of Certificates				Anchors				TEST, PER CERTIFICATE				Description of Anchor			
21061				1st Bower				33 3 0				Byes Hookless			
21063				2nd "				32 3 21				" "			
20974				3rd "				28 0 0				" "			
76200				4th "				94 2 21				" "			
76188				Stream				8 2 22 2				Grd. Towed W. 1			
				Kedge				4 1 21 1				" "			
See Secretary's Letter 24406				CHAIN CABLES.				TEST, PER CERTIFICATE				Where and when tested, and Superintendent.			
Number of Certificates				Length and size supplied				Length and size per Table 31.				Description of Cable			
64164				120				1 1/4				Hawley			
64245				120				1 1/4				Hawley			
Boats				2 lifeboats 22-0				1 dinghy 16-0				Steering Gear, Steam Yes			
Pumps, Number				2 Downton 1 hand pump 10 cwt				1 hand pump 10 cwt				Steering Gear, Hand Yes			
Windlass				Garrison, Walker, Thompson 1800				1 hand pump 10 cwt				State whether they are in efficient working order Yes			
Engine Room Skylights				How constructed? Plates tangles				What arrangements for deadlights in bad weather? Shut flaps & bulls eyes				Height above deck? 2-6			
Coal Bunker Openings				How constructed? Plates tangles				How are lids secured? Battens & cleats				How are lids secured? Battens & cleats			
Number of Scuppers				and dimensions of Freeing Ports, &c.				4 freeing ports each side forward 8-0 x 1-1/2				4 freeing ports each side aft 2-9 x 1-6			
Ceiling in Holds, thickness and material				Pine 2 1/2 over bulges only				Cargo Battens, thickness and material				Pine 6 1/2 x 2			
Cargo Hatchways				How formed? Plates tangles				Hatches, If strong and efficient? Pine 3							
State size No. 1 Hatch (Forward)				29.4 x 23.6 m				No. 2 Hatch 32.5 x 25.0 m				No. 3 Hatch 29.4 x 24.3 m			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch				7 1/2, 1 1/4 hatches = 4 webs				No. 2 hatch, 5 webs							
Bulwarks, height above deck and description				48 Blue 2 1/2				Main Rail, material and size				5 1/2 x 3 x 1/2			
The foregoing is a correct description				J. J. Crown & Sons, Ltd.				Surveyor's Signature				John J. Isherwood & R. M. Laven			
Builder's Signature (here only)				J. J. Crown				Surveyor's Signature				John J. Isherwood & R. M. Laven			
Correspondence				State dates and initials of letters respecting this case				Reference should be made in any correspondence connected with the case							
Workmanship				Are the butts of plating planed or otherwise fitted?				Planed & overlapped							
Is the riveted work properly closed?				Yes				Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other?				Yes			
Are the liners between the frames and plates solid single pieces?				Joggled plating				Do the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces?				Yes			
Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped?				Yes				Do any rivets break into or through the seams or butts of the plating?				a few			
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.)				This vessel has been constructed in accordance with the approved plans, the Secretary's letters as mentioned above & in other respects in compliance with the requirements of the Rules - The materials & workmanship are good.											
The approved plans 8 in number are forwarded herewith for reference which please return for use in dealing with the sister vessel now building				Forging reports herewith also Midship Section & Profile of vessel as built.											
This vessel is a sister ship to the same Builders "Yard Castle" Sea Rpt N 25083				S.S. Wear Sea Rpt 24990 & S.S. Elae Manor Sea Rpt. N 26754											
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				£ 4 : 0 : 0				Fees applied for, - 4 NOV 1916							
Special Survey Fee				£ 70 : 1 : 0				Received by me, 9/11/16							
Travelling Expenses, if any				£ :				Yes							
State whether the Vessel has been built under Special Survey				+ 100 A.I. LATOP											
I am of opinion this Vessel should be Classed				Without Freeboard, as condition of Class											
Committee's Minute				10001											
Character assigned				Lloyd's A & B.C.P.											
				Lloyd's A & B.C.P.											
				Lloyd's A & B.C.P.											

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 24.08 ft., R.Q.D. 12.25 ft., Bridge 50.91 ft., Forecastle 30.3 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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 should appear in the Register Book) 1 BK (Oak) well deck
Official No. _____; Signal Letters _____ State if Machinery is fitted aft no
How are the surfaces preserved from oxidation? Inside paint & cement Outside 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 Cap. Tons.
Double bottom, aft,	<u>101-10</u>	<u>172</u>	Fore peak tank,	<u>19.9</u>	<u>104</u>
Double bottom, under Engines and Boilers,	<u>✓</u>	<u>✓</u>	After peak tank,	<u>17.7 1/2</u>	<u>100</u>
Double bottom, if under Engines only,	<u>✓</u>	<u>✓</u>	Deep tank, aft,	<u>✓</u>	<u>✓</u>
Double bottom, if under Boilers only,	<u>✓</u>	<u>✓</u>	Deep tank, forward,	<u>✓</u>	<u>✓</u>
Double bottom, forward,	<u>103.9 1/2</u>	<u>211 1/4</u>	Other tanks, if fitted,	<u>✓</u>	<u>✓</u>
Total capacity of double bottom		<u>383 1/4</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. 5192
Date 1.15
No. 119 in builder's yard.
Dates of Surveys held while building
1915. May 22. Jul 6. 8. 13. 20. Aug 20. Sep 2. 7. 13. 17. 23. 29. Oct 4. 6. 8. 20. 26. Nov 4. 19. 25. Dec. 7. 13. 14. 15. 16. 31.
Jan 7. 12. 24. 31. Feb 15. 22. Mar 1. 7. 8. 9. 13. 15. 21. 24. 28. Apr 10. 18. 17. 20. May 2. 11. 17. 19. 22. 25. 26. Jun 2. 5.
17. 19. 26. 28. Jul 10. 18. 24. 31. Aug 8. 11. 25. 31. Sep 8. 28. Oct 14. 17. 21. 28. 29.
Total No. of Visits 77

Surveyor's Signature John F. Ingherwood
Lloyd's Register Foundation