

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office

Date of completion of report 11 Jan 1911 Port of Sunderland No. 24695
 Survey held at Sunderland Date, First Survey 14 Jan 1910 Last Survey 4 January 1911
 On the Sir Arthur RIG Schooner
 Tonnage under Tonnage Deck... 1762.80 CLASS 100 A1. Master William Street
 Do. between Tonnage Dk. and 3rd and 4th Dk. - Breadth (greatest moulded) 40.25 Year of appointment 1898
 Total under Upper Dk. - Depth at middle of length from top of keel to top of upper deck beams at side 20.75 Built at Sunderland
 Do. of Poop 52.96 Transverse Number 61.00 When built 1911 Launched 15 November 1910
 Do. of R.Q.Dk. 22.12 Length on deck from fore part of stem to after part of stern post 279.5 By whom built Messrs. J. P. Austin & Sons
 Do. of Bridge House 36.05 Longitudinal Number 17049 Owners Wm Cory & Son Ltd
 Do. of Houses on Dk. Chart 8.53 Depth "d" at middle of length (See Secs. 2 & 13) 17.75 Managers do
 Do. of excess of Hatchways 118.77 Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.46 Residence 52 Mark Lane, London EC
 Do. above Crown of Engine Room - " " Long Bridge Deck Beam at side to top of keel - Port belonging to London
 Gross Tonnage 2001.23 Destined Voyage Coasting If Surveyed while Building, Afloat, or in Dry Dock Building Afloat & in dry dock
 Less Crew Space 76.90
 Tonnage for Fees 1924.33
 Engine Room 640.39
 Navigation Spaces 122.61

Length	Breadth	Depth	Actual	Top of Floors to top of Upper Dk. Beams	Second Dk. Beams	No. of Decks with flat laid	No. of Tiers of Beams
279 6	40 3	18 5	20 9	18 6 3/4	18 6 3/4	one	one
Moulded depth, ft. - ins.							
To Bridge Dk.							
Round of Upper Dk. Beam, Actual							

FRAMING.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
NAME, Angles, or Bars amidships	8 1/2	3	50	8 1/2	3	50	PILLARS, In 'tween Deck, size and spacing	2 1/2	48	2 1/2	48
Do. in peaks	5 1/2	3	40	5 1/2	3	40	" " Hold	3 5/8	48	3 5/8	48
Do. in way of Double Bottoms at Solid Floors	3	3	34	3	3	34	" " Quarter 'tween Dks.	-	-	-	-
" " at intermdt. Bkts.	-	-	-	-	-	-	" " in-Hold	-	-	-	-
acing of Frames from centre to centre amidships	24	-	-	24	-	-	KEELSONS & STRINGERS.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
" " from 1/2 length to Collision bulkhead	24	-	-	24	-	-	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate				
" " in peaks	24	-	-	24	-	-	" Rider Plate				
EVERSED FRAME, Angles	-	-	-	-	-	-	" Flat Plate Keel Angles				
Do. in way of Double Bottoms at Solid Floors	3	3	34	3	3	34	" Horizontal Plates on Floors				
" " at intermdt. Bkts.	-	-	-	-	-	-	" Angles or Bulb Angles				
ACING, depth of girder	-	-	-	-	-	-	SIDE KEELSONS, Number				
LOOKS, depth and thickness of Floor Plate 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 & BRACKETS in Cell Dble Bottoms							" Intercoastal Plate for length				
" state if flanged (top & bottom)							" Attached to outside Plating with Angle				
" Spacing							SIDE STRINGERS, Number				
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	36	46	38	36	46	38	" Angle	6	3 1/2	42	6
" Angles, Top	3	3	42	3	3	42	" Intercoastal Plate, for full length	12	-	40	12
" Bottom	4	4	52	4	4	52	" Attached to outside plating with Angle	3 1/2	3 1/2	40	3 1/2
" to Floors	3	3	34	3	3	34	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	6	50	60	6
DE GIRDERS, number on each side & thickness	ONE	-	32	ONE	-	32	" " " (in way of Bridge)	6	50	60	6
" state if flanged (top and bottom)							" " " Angle (clear of Bridge)	6 1/2	42	60	6 1/2
" Angles (top and bottom)	3	3	34	3	3	34	" Tie Plate at sides of Hatchways	-	36	30	-
" to Floors	3	3	34	3	3	34	Deck * Iron or Steel, for full lng.	-	36	30	-
MARGIN PLATE, depth (exclusive of flange) and thickness	29	-	38	27	-	38	" Thickness (clear of Bridge)	54	4	60	54
" Angles to Outside Plating	3 1/2	3 1/2	38	3 1/2	3 1/2	38	" (in way of Bridge)	36	40	45	36
" Floors	3	3	34	3	3	34	Wood Deck. Material & thcknss	-	-	-	-
" Height of Brackets above at bilge	18	-	-	18	-	-	Second Deck Stringer Plate, br'dth & thickness				
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	42	36	36	42	36	" Angles on ditto, No.				
" in Engine and Boiler space	2 1/2	7 1/2	8 1/2	2 1/2	7 1/2	8 1/2	" Tie Plates outside Hatchways				
" Remainder in Holds	7 1/2	-	-	7 1/2	-	-	Deck * Iron or Steel, for lng.				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 1/2	3	42	7 1/2	3	42	Wood Deck. Material & thickness				
" Angles on upper edge	-	-	-	-	-	-	Third Deck Stringer Plate, br'dth & thickness				
" In way of Long Bridge	-	-	-	-	-	-	" Angles on ditto, No.				
" Spacing	24	-	-	24	-	-	" Tie Plates outside Hatchways				
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							Deck * Material and thickness				
" Angles on upper edge							Fourth and Fifth Deck Stringer Plate, breadth & thickness				
" Spacing							" Angles on ditto, No.				
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							" Tie Plates outside Hatchways				
" Angles on upper edge							Deck. Material & thickness				
" Spacing							Poop Deck Stringer Plate, breadth & thickness				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	44	7	3	44	" Angle on ditto	27	32	27	32
" Angles on upper edge	-	-	-	-	-	-	" Tie Plates	3 x 3	32	3 x 3	32
" Spacing	48	-	-	48	-	-	Deck. Material and thickness	12	32	8	32
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2	3	40	5 1/2	3	40	Bridge Deck Stringer Plate, br'dth & thickness	P.P. 5 x 3	P.P. 5 x 3		
" Angles on upper edge	-	-	-	-	-	-	" Angle on ditto	42	36	42	36
" Spacing	24	-	-	24	-	-	" Tie Plates	3 x 3	36	3 x 3	36
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	50	9	3 1/2	50	Deck. Material and thickness	-	-	-	-
" Angles on upper edge	-	-	-	-	-	-	Forecastle Deck Stringer Plate, br'dth & th'kns				
" Spacing	48	-	-	48	-	-	" Angle on ditto	3 x 3	32	3 x 3	32
							" Tie Plates	1 1/2 x 3 1/2	30	-	30
							Deck. Material and thickness	P.P. 5 x 3	-	5 x 3	

W542-025512

WEB FRAMES.				FORGINGS or CASTINGS.				Inches in Ship.				Inches per Rule.			
Inches in Ship.				Inches in Ship.				Inches per Rule.				Inches per Rule.			
WEB-FRAMES, In Fore Body, No. and spacing				KEEL, Bar, depth and thickness				Hut plate							
" " " brdth. & thickness				STEM, moulding and thickness				8 1/2 x 2 1/2				8 1/2 x 2 1/2			
" " " No. of Side Stringers				STERN-POST for Rudder do. do.				7 1/2 x 5 1/2				7 1/2 x 5 1/2			
WEB-FRAMES, In E. & B. Space, No. & spacing				" " " for Propeller				8 1/2 x 5 1/2				8 1/2 x 5 1/2			
" " " brdth. & thickness				RUDDER-A x D Table 22. Speed				9 1/2 K.				220			
" " " No. of Side Stringers				" " " Main-Piece, diameter at head				7				7			
" " " Size of Face Angles to Web-Frames				" " " at heel				5 1/2				5 1/2			
BRACKET PLATES to Stringers between Web Frames, depth and thickness				RUDDER, how constructed				Forged & built							
BULKHEADS.				" Thickness of Plates or Single Plate				.98							
W.T. BULKHEADS				Can the Rudder be unshipped afloat?				yes							
" After Pk.				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, Plating, &c.?				No. Durham 1 & 2 C.							
COLLISION " PARTITION "				Palmer's 2 C. Cargo Flat 3. C.											
LONGITUDINAL "				Consolidated 3. C.											
Are the outside Plates doubled two spaces of Frames in length?				Bracket fitted in line											
Are the Sluice Valves and Watertight Doors in efficient working order?				yes											
PLATING.				RIVETING.											
STRAKES.				EDGES.				BUTTS.							
AS IN SHIP.				PER RULE OR AS APPROVED.				Ordinary or joggled?							
Breadth. Thickness. Thickness. Thickness.				Breadth. Thickness. Thickness. Thickness.				Single or Double. Breadth of Lap. Diam. Spacing or to or				Double or Treble and for what Length. Rivets. Diam. Spacing or to or			
Inches. Inches. Inches. Inches.				Inches. Inches. Inches. Inches.				Inches. Inches. Inches. Inches.				Inches. Inches. Inches. Inches.			
FLAT PLATE KEEL (If Bar Keel, state Riveting.)				43 - 82 - 58 - 58				Double 6 1 1/4				Double 6 1 1/4			
GARBOARD OF A STRAKE				54 - 52 - 42 - 42				5 1/4 7/8 3 1/2				5 1/4 7/8 3 1/2			
State actual thickness in way of Double Bottom.				54				54				54			
B "				54				54				54			
C "				54				54				54			
D "				54				54				54			
E "				38				38				38			
F "				45 - 55 - 45 - 45				52 - 40				52 - 40			
G "				54 - 52 - 40 - 40				52 - 40				52 - 40			
H "				54 - 55 - 45 - 45				52 - 40				52 - 40			
J "				53 - 60 - 40 - 40				43 - 60 - 40				43 - 60 - 40			
K "				43 - 78 - 40 - 40				43 - 78 - 40				43 - 78 - 40			
L "				from within bridge				9 single 3 1/2 3 1/2				9 single 3 1/2 3 1/2			
M "				2 1/4 x 1/2 x 1/2				2 1/4 x 1/2 x 1/2				2 1/4 x 1/2 x 1/2			
N "				See wire in this				See wire in this				See wire in this			
O "				See wire in this				See wire in this				See wire in this			
P "				See wire in this				See wire in this				See wire in this			
Q "				See wire in this				See wire in this				See wire in this			
R "				See wire in this				See wire in this				See wire in this			
S "				See wire in this				See wire in this				See wire in this			
T "				See wire in this				See wire in this				See wire in this			
U "				See wire in this				See wire in this				See wire in this			
V "				See wire in this				See wire in this				See wire in this			
W "				See wire in this				See wire in this				See wire in this			
THICKNESS OF STRAKE CLEAR OF LONG BRIDGE Do. OF STRAKE BELOW DELG. of Flat Plate Keel				20 ft at ends of Bridge - 60				20 ft at ends of Bridge - 60				20 ft at ends of Bridge - 60			
Sheerstrakes Length and thickness.				20 ft at ends of Bridge - 60				20 ft at ends of Bridge - 60				20 ft at ends of Bridge - 60			
POOF SIDES				- 40 - - 32 - - 32				Single 3 1/2 3 1/2				Single 3 1/2 3 1/2			
SHORT BRIDGE SIDES				- 40 - - 36 - - 36				Double 1 1/2 1 1/2				Double 1 1/2 1 1/2			
FORECASTLE SIDES				- 36 - - 36 - - 36				Single 3 1/2 3 1/2				Single 3 1/2 3 1/2			
Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.															
Upper Deck Butts, riveted for 1/2 length amidship.				Butts of Side Stringers				riveted.							
Stringer Plate Straps, single, double or overlapped for full length amidship.				" Tie Plates				riveted.							
Second Deck Butts, riveted for full length amidship.				Inner Bottom Plating, riveting of Edges				Single + double Butts double							
Stringer Plate Straps, single or overlapped for full length amidship.				Centre Girder Butts, riveted				Keelson Butts, riveted.							
				Frames, riveted through Plates with 7/8 in. Rivets, about 6 ins apart.											
				Rivets, state whether Iron or Steel				Iron							
FRAMES extend in one length from Centre girder to tank side thence to SK. State if ordinary or joggled				Ordinary											
REVERSED FRAMES on floors and frames extend from Centre girder to tank side (Both Angle framing)				State if ordinary or joggled				Ordinary							
MASTS, SPARS, &c.															
Material. Total Length.				DIAMETER AND THICKNESS.				No. of Plates in round.				RIVETING.			
At Partners. Holed. Holed. Holed.				Number. Size. Seams. Butts.											
LOWER MASTS. Fore				Steel 69.0 20 1/2 x 7/8 16 x 1/2 16 x 1/2 4 1/2				2 - - - single				triple			
Main				Steel 69.0 " " " " " " " " " "				2 - - - single				triple			
Mizen				Steel 69.0 " " " " " " " " " "				2 - - - single				triple			
Downspit															
Topmasts, Yards and Remainder of Spars				Wood											
Rigging, Material and Size, Shrouds				Sb. 3/4 Wire 3 1/4				Stays				Wire 3 1/4			
Sails.				One Suit of fore + aft				Sails, and the following spare sails							

EQUIPMENT No. 17613				LETTER Y				ANCHORS.				TONNAGE U.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate.				Anchors.				WEIGHT, EX. STOCK.				TEST, PER CERTIFICATE.			
Cwts. qrs. lbs.				Cwts. qrs. lbs.				Cwts. qrs. lbs.				Cwts. qrs. lbs.			
13470 1st Bower				35 2 21				32 18 3 0				35 2 0			
13478 2nd "				35 1 21				32 15 0 0				35 2 0			
13550 3rd "				30 2 14				29 1 24 20 0 0				30 2 0			
4th "								Mechanical tests				4 1/2 Butts & H. Kelboms.			
Collective weight				101 3 0								101 0 0			
13408 Stream				9 1 7 2 1 14				11 9 0 7				9 1 0			
13409 Kedg				4 3 14				1 0 21				7 5 0 0			
CHAIN CABLES.				HAWSEERS AND WARPS.											
Number of Certificate.				Length and size supplied.				Test per Certificate.				Length and size supplied.			
Length. Diam.				Status. Break- ing.				Supplied. Per Rule.				Length. Diam.			
Fathoms. Ins.				Tons. Tons.				Cwts. qrs. lbs. Cwts. qrs. lbs.				Fathoms. Ins.			
4781 240 1 3/4				55 1/2 7 1/2				32 0 1 7 1/2 2 1/2 2 1/2				1 1/2 1 1/2			
4782 75 1 1/4				20 3/4 30 1/2				44 2 2 4 3 1 1/2 7 5				1 1/4 1 1/4			
Iron Stream Chain or Steel Wire															
Boats				Two lifeboats, one dingy				Steering Gear, Steam by Dorman & Co. Ltd.				Steering Gear, Hand by Crawford. Ltd.			
Pumps, Number				One Dorman				Diameter of Barrel				6"			
Windlass is				by Dorman Walker & Thompson Bars				Capstan							
Engine Room Skylights.				How constructed?				What arrangements for deadlights in bad weather?				Lids & balls yes			
Coal Bunker Openings.				How constructed?				How are lids secured?				By tarpaulins & bolts Height above deck? 15"			
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Scuppers				6 F.P. @ 3' 0" x 1' 9" 2 @ 2' 0" x 1' 0"											
Ceiling in Holds, thickness and material.				W.P. 2 1/2 (Bridges only)				Cargo Battens, thickness and material				W.P. 2"			
Cargo Hatchways.				How formed?				Hatches, If strong and efficient?				yes			
State size No. 1 Hatch (Forward)				28' x 22'				No. 2 Hatch				19' x 24'			
No. 3 Hatch				24' x 23' 24'				No. 4 Hatch				17' x 24'			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch				No. 1 + 6 = 3 W, No. 2 + 5 = 1 W, No. 3 + 4 = 2 W.											
No. 6. 30' x 22', 5 F.P. @ 5' 0" x 1' 0" 6 in. Ketching								No. of Breasthooks				Four			
No. of Crutches				Dup floor											
Bulwarks, height above deck and description				Slab plating 30				Main Rail, material and size				7' x 50			
The foregoing is a correct description				R. P. AUSTIN & SON, LIMITED				Surveyor's Signature				J. Allan			
Builder's Signature (here only)				J. Allan				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)				12 October 1909							
4th December 1909				18th October 1910				DIRECTOR				E 10th November 1909			
Workmanship.				Are the butts of plating planed or otherwise fitted?				Planed							
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			
Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces?				Yes				Do any rivets break into or through the seams or butts of the plating?				One or two			
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. 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 built in accordance with the approved plans & generally in accordance with the Rules. The workmanship throughout is good.			
With exception of the dimensions of the hatchways & scuttlings of stern & keel & gunwale angle bars the vessel is a duplication of the Builders No 254. S.S. San Francisco															
The Surveyor should state the Number of Report and Name of any Sister Vessel.															
The amount of Entry Fee				£ 4: - - -				Fees applied for,							
Special Survey Fee				£ 73: - - -				Received by me,							
Travelling Expenses, if any £								Certificate to be sent to				Lundland Date of issue 14/11			
State whether the Vessel has been built under Special Survey				yes				Surveyor to Lloyd's Register of British and Foreign Shipping.							
I am of opinion this Vessel should be Classed				100 A1											
With, or without Freeboard, as condition of Class				Without											
Committee's Minute				FRI 13 JAN 1911											
Character assigned				100 A1											
Lloyd's & Co.															
+ L.M.B. 1.11															

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 25 ft., R.Q.D. — ft., Bridge 54 ft., Forecastle 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 it should appear in the Register Book) 128 (S.H.)

Official No. 129164; 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 Cellular

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>94</u>	<u>170</u>	Fore peak tank,	<u>18</u>	<u>114</u>
Double bottom, under Engines and Boilers,	<u>36</u>	<u>93</u>	After peak tank,	<u>22</u>	<u>141</u>
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	<u>104</u>	<u>227</u>	Other tanks, if fitted,	—	—
Total capacity of double bottom		<u>490</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. 4794

Date 9.12.09

No. 355 in builder's yard.

DATES OF SURVEYS held while building

1910 Jan. 14, 18, 21 Feb. 4, 7, 9, 11, 21, 22, 24 Mar. 2, 9, 15, 18, 22, 24, 31 Apr. 6, 12, 22, 29
May 5, 9, 12, 17, 26 June 2, 9, 13, 15, 17, 21, 23, 27 Jul. 1, 6, 9, 18 Aug. 2, 8, 9, 22 Sept. 5
Oct. 12, 14, 21, 24, 27 Nov. 1, 4, 9, 14, 22 Dec. 2, 5, 6, 13, 15, 19, 26, 29 1911 Jan. 4

Total No. of Visits 62

Surveyor's Signature

J. Allan

Lloyd's Register Foundation