

Awning or Shelter Deck,

STEEL STEAMER.

No. 63930

or ~~Pl. Awning Deck.~~

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

Yes (Hull Rep't)

Port of NEWCASTLE Date of Completion of Report 19th March 1913 Received at London Office THU. MAR. 27. 1913
 Survey held at Howdon-on-Tyne Date, First Survey 12th Jan. 1912 Last Survey 14th March 1913
 On the Steel Ship Steamer CLAN MACKELLAR Rig Fore and Aft

TONNAGE under 4609.21
 Tonnage Deck
 Do. between Tonnage Dk. and 3rd, 4th, & Awning Dk.
 Total under Upper Dk. 102.98
 Do. of Poop 102.98
 Do. of R. Or. Dk. Deckhouse 95.67
 Do. of Bridge House 4.14
 Do. of Forecastle 21.32
 Do. of Houses on Deck 56.28
 Do. of spaces of Hatchways 5.08
 Do. above Crown of 30.78
 Engine Room 4925.41
 Less Crew Space 193.40
 Less above Crown of Engine Room 4732.01
 TONNAGE FOR FEES 1576.13
 Less Engine Room 261.22
 Less Navigation Spaces 26.31
 Register Tonnage 3061.75

CLASS 100A1

Part.

Master J. Makepeace

Year of Appointment March 1912

Built at Howdon-on-Tyne

When built 1913 Launched 7th Dec 1912

By whom built Northumberland S. B. Co. Ltd

Owners The Clan Line Steamers Ltd

Managers Cayzer, Irvine & Co. Ltd

Residence 109 Hope Street Glasgow

Port belonging to Glasgow

Destined Voyage South Africa If Surveyed while Building, Afloat, or in Dry Dock Special Survey

LENGTH on	FT.	INS.	BREADTH	FT.	INS.	DEPTH, ACTUAL	Top of Floors to top of Awning or Shelter Dk. Beams	FT.	INS.	No. of Decks with flat laid
as per Rule	410	-	Moulded	51	8	Do.	Upper Deck Beams	27	11 1/2	No. of Tiers of Beams
Dimensions of Ship per Register,										
Length	410.2		breadth	52.0		depth	27.9			Upper Deck.
										Moulded depth, ft. 39 ins. 0 To Awning or Shelter Dk.
										Moulded depth, ft. 30 ins. 6 To Upper Dk.
										Round up of Uppermost Dk. Beam, Actual .. 12 1/2 ins.

FRAMING.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
NAME, Angles, or E or L Bars, amidships	9	3 1/2	62	9	3 1/2	62	
Do. in peaks	7	3 1/2	44	7	3 1/2	44	
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" " at intermdt. Bkts.							
acing of Frames from centre to centre amidships	26			26			
" length to collision bulkhead	26			26			
" of Frames from centre to centre in peaks	24			24			
VERSED FRAME, Angles							
Do. in way of Double bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
" " at intermdt. Bkts.							
AMING, depth of girder	9			9			
DOORS, 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-bdth. as per Rule							
" height extended at the Bilges							
DOORS & BRACKETS, in Cell Dble Bottoms	40	36	40	36			
" " state if flanged (top & bottom)							
" " spacing							
NTRE GIRDER, in Dbl. bottom, dpth & thickness	4 3/4	50	4 3/4	50			
" " Angles, Top	3 1/2	3 1/2	50	3 1/2	3 1/2	50	
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	
" " to Floors	5	5	56	5	5	56	
DE GIRDERS, number and thickness	40	36	40	36			
" " state if flanged (top & bottom)							
" Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40	
MARGIN PLATE, depth (exclusive of flange) and thickness	36	48	34	48			
" Angles to outside plating	4	4	48	4	4	48	
" " to floors	5	3 1/2	40	5	3 1/2	40	
" Height of Brackets above at bilge	2	1	2	1			
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	65	47	64	47			
" " thickness in Engine and Boiler space	40	36	40	36			
" " Remainder in Holds	40	36	40	36			
BEAMS, Awning or Shlter Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 1/2	3	46	8 1/2	3	46	
" Angles on upper edge							
" Spacing							
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	11	3 1/2	54	11	3 1/2	54	
" Angles on upper edge							
" Spacing							
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	12	4	50	12	4	50	
" Angles on upper edge							
" Spacing							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							
" Angles on upper edge							
" Spacing							
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							
" Angles on upper edge							
" Spacing							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							
" Angles on upper edge							
" Spacing							

PILLARS.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
PILLARS, in 'tween Deck, size and spacing	2 1/4	52	2 1/4	52			
" " Hold	5 1/4	52	5 1/4	52			
" " Quarter, 'tween Dks., " "							
" " in Hold							
KEELSONS AND STRINGERS.							
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate							
" Rider Plate							
" Flat Keel Plate Angles							
" Horizontal Plates on Floors							
" Angles or Bulb Angles							
SIDE KEELSONS, Number							
" Angles or Bulb Angles							
" Plate above floors, for length							
" Intercostal Plate, for length							
" Attached to outside plating with Angle							
BILGE KEELSON, Angles							
" Intercostal Plate, for length							
" Attached to outside plating with Angle							
SIDE STRINGERS, Number							
" Angle							
" Intercostal Plate, for lng.							
" Attached to outside plating with Angle							
Awning or Shelter Deck Stringer Plates, breadth and thickness	72	50	72	50			
" Angle on ditto	5 1/2	60	5 1/2	60			
" Tie Plates, fore and aft, outside Hatchways							
" Deck * Iron or Steel, for full lng.	40	34	40	34			
" Wood Deck, Material & thickness							
Upper Deck Stringer Plate, breadth and thickness	80	44	80	44			
" Angles on ditto, No. Two	3 1/2	3 1/2	48	3 1/2	3 1/2	48	
" Tie Plates, outside Hatchways							
" Deck * Iron or Steel, for full lng.	40	34	40	34			
" Wood Deck, Material & thickness							
Second Deck Stringer Plates, br'dth & thckn's	63	40	63	40			
" Angles on ditto, No. Two	3 1/2	3 1/2	48	3 1/2	3 1/2	48	
" Tie Plates, outside Hatchways							
" Deck * Material and thickness	34	30	34	30			
Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness							
" Angles on ditto, No.							
" Tie Plates, outside Hatchways							
" Deck, Material and thickness							
Poop Deck Stringer Plate, breadth & thickness							
" Angles on ditto							
" Tie Plates							
" Deck, Material and thickness							
Bridge Deck Stringer Plate, br'dth & thickness							
" Angle on ditto							
" Tie Plates							
" Deck, Material and thickness							
Forecastle Deck Stringer Plate, br'dth & th'kns							
" Angle on ditto							
" Tie Plates							
" Deck, Material and thickness							

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

WEB FRAMES.				Inches in Ship.		Inches per Rule.	
WEB-FRAMES, In Fore Body, No. and spacing							
" " " " brdth. & thickness							
" " " " No. of Side Stringers " "							
WEB-FRAMES, In E. & B. Space, No. & spacing							
" " " " brdth. & thickness							
WEB-FRAMES, In After Body, No. and spacing							
" " " " brdth. & thickness							
" " " " No. of Side Stringers " "							
" " " " Size of Face Angles to Web-Frames.....							
BRACKET PLATES to Stringers between							
Web Frames, depth and thickness.....							

BULKHEADS.	Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up.
			Horizontal.		Vertical.			
	Vessel.	Per Rule.	Size.	Spacing.	Size.	Spacing.		
After Peak No 9	6	40-36	2 1/2	24	2 1/2	24	U. Deck	
W.T. BULKHEADS		40-36	2 1/2	24	2 1/2	24		
No 62		40-36	2 1/2	24	2 1/2	24		
No 79		36-30	2 1/2	24	2 1/2	24		
No 103		36-30	2 1/2	24	2 1/2	24		
No 151		36-30	2 1/2	24	2 1/2	24		
COLLISION		44-34	2 1/2	24	2 1/2	24		
PARTITION								
LONGITUDINAL								

Are the outside Plates doubled two spaces of Frames in length? *Brackets*

Are the Stance Valves and Watertight Doors in efficient working order? *Yes*

FORGINGS & CASTINGS.		Inches in Ship.	Inches per Rule.
KEEL, Bar, depth and thickness		Flat plate keel	
STEM, moulding and thickness		10 1/2 x 2 1/4	10 1/2 x 2 1/4
STERN-POST for Rudder do. do.		9 x 7 1/2	9 x 7 1/2
" for Propeller		10 1/4 x 7 1/2	10 1/2 x 7 1/2
RUDDER-A x D* Table 22. Speed Under 12 K		151 sq ft x 2.33 = 502.03	
" Main-Piece, diameter at head		10	10
" " at heel		7 1/2	7 1/2

RUDDER, how constructed *Forged iron Rudder Single plate*

Thickness of Plates or Single Plate *1.08*

Can the Rudder be unshipped afloat? *Yes*

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.?

Cargo fleet Iron Co. South Durham steel & Iron Works, Skinningrove Iron Co. Ltd. The Lancashire Steel Co. Consult Iron Co. Durham Long St. Palmers S. B. & Co. Ltd. Open Hearth.

Has the Steel been tested as required by the Rules? *Yes*

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES Ordinary or joggled?	RIVETING.									
	AMIDSHIP.		FORWARD.		AFT.			AMIDSHIP.		EDGES		BUTTS.		IF LAPPED.			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.		Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.
FLAT PLATE KEEL.....	54	1.02	72	72	47	1.02	Double	6 1/4	1 1/2	4 1/4	2nd 7/8 L	1 1/8	4 1/2			16	1/2 in. aft
GARBOARD or A Strake	72	60	48	48	72	64		5 1/4	7/8	3 1/4	2nd 7/8 L	7/8	3 1/2			12	
State actual thickness in way of Double Bottom.																	
B	72	60	48	48	72	64											
C	72	60	48	48	72	64											
D	63 1/2	60	48	48	63 1/2	64											
E	70	64	48	48	70	64											
F	72	66	46	46	72	66											
G	72	66	46	46	72	66											
H	72	66	46	46	72	66											
J	72	66	46	46	72	66											
K	72	66	46	46	72	66											
L	83	66	46	46	80	66											
M																	
N																	
O																	
P																	
Q																	
R																	
S																	
T																	
U																	
V																	
W																	
THICKNESS OF STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. of Flat Plate Keel																	
" Sheerstrakes Length and thickness.																	
POOP SIDES																	
SHORT BRIDGE SIDES																	
FORECASTLE SIDES																	

Awning or Shelter Deck Stringer Plate Butts, *Double* riveted for *full* length amidship.

Upper Deck Stringer Plate Butts, *Double* riveted for *full* length amidship.

Second Deck Stringer Plate Butts *double riveted in full length* and overlapped in full length.

Butts of Side Stringers *Double* riveted.

Tie Plates *Double* riveted.

Inner Bottom Plating, riveting of Edges *Double* riveted.

Centre Girder Butts, *Double* riveted.

Keelson Butts, *Double* riveted.

Frames, riveted through Plates with *7/8* in. Rivets, about *5 1/4* apart.

Rivets, state whether Iron or Steel *Iron*

FRAMES extend in one length from *Tank side* to *Upper & Shelter Deck alternate* if ordinary or joggled *Ordinary*

REVERSED FRAMES on floors and frames extend from *Centre line to Tank side* Butts *Angle frame above tank side*

State if ordinary or joggled *Ordinary*

MASTS, SPARS, &c.											
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLE.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore	78	23 x 9/30	22	19 1/2	18 1/2 x 9/30	<i>Mannesmann Steel Tubes</i>				
	Main	82	23 x 9/30	22	19 1/2	18 1/2 x 9/30					
	Mizen										
Bowsprit											
Topmasts, Yards and Remainder of	Spars	<i>Pitch Pine</i>									
Rigging, Material and Size, Shrouds	<i>4 Gal Steel wire</i>										
Sails.	<i>Suit of</i>										
Sails, and the following spare sails											

Write "Awning or Shelter Deck" "Sheer Strake" opposite its corresponding letter.

Form No. 1B.

Completed

EQUIPMENT No. 36982				LETTER Z				ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQ. BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
12454	1st Bower	64	0	14	Stockless	50	12	2	0	63	4	✓	Pontannic (Pat. 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 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2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 22				

CHAIN CABLES.											HAWSERS AND WARPS.								
Number of Certificate.	Length and Size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Fathoms 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 Towline.	Fathoms and size per Table 31.			
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
11916	Fathoms.	Inch.	Tons.	Tons.	Cwts. grs lbs.	Cwts. grs lbs.	Fathoms.	Inch.	S.S. R. Ryder & Co. Ltd.	Londn 29/4/02 J. W. Pender	ROWLINE	Fathoms.	Inch.	Tons	Fathoms.	Inch.			
	270	2 1/4	9 1/8	12 1/2	682-2-6	682-1-11	270	2 1/2				120	5	6 1/4	120	5			
												HAWSERS & WARPS	90	5 1/2	2 1/2				
												" "	90	2 3/4	1 5/8		2 3/8		
												" "	2-90	2 1/2	1 1/2		2-90		
												" "	2-90-F, 2-90-Y,			2-90-G.)			
as Stream Chain or Steel Wire...		90	4 1/4		47		90	4 1/4											

Boats *4 Life Boats*
Pumps, Number *Hand pumps to 4th Peak + Vertical Pumps* Diameter of Barrel *5 + 6* Steering Gear, Steam *Canon Co.* Steering Gear, Hand *Dunkin & Co.*
Windlass is *Steam by Immerson Walker & Thompson* Capstan ☒
Engine Room Skylights.—How constructed? *Steel plate angles* What arrangements for deadlights in bad weather? *Strong bull's eyes*
Coal Bunker Openings.—How constructed? *Bulk Angle Brackets* How are lids secured? *Impairless bottom* Height above deck? *9"*
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *8 Scuppers each side. Freeing port in forenoon opening 21" x 21"*
Ceiling in Holds, thickness and material *2 1/2 white wood* Cargo Battens, thickness and material *6 x 2 white wood*
Cargo Hatchways.—How formed? *Steel plate angles and web plates* Hatches, If strong and efficient? *Yes*
Plate size No. 1 ⁴*Hatch* (Forward) *28-2 x 15-11 3/4 x 5-6* No. 2 *Hatch* *19-6 x 17-11 3/4 x 5-6* No. 3 *Hatch* *15-2 x 13-11 3/4 x 3-6* No. 4 *Hatch* *26-0 x 15-11 3/4 x 3-6*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *No. 1 and 2-5, No 3-3, No 4-2, No 5 and 6-4*
No. of Breasthooks No. of Crutches
Mastworks, height above deck and description *Rails and Stanchions* Main Rail and Stays, material and size ☒
The foregoing is a correct description *FOR THE NORTHUMBERLAND SHIPBUILDING Co. LTD.* Surveyor's Signature *Alar Munro.*
Builder's Signature (here only) *Rowland Hodges* Surveyor to Lloyd's Register of British and Foreign Shipping.

correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) *11-13-2-11, 19-12-11, 2-2-12, 24-2-12, 26-2-12, 29-2-12, 4-3-12, 5-3-12, 15-3-12, 17-4-12, 20-4-12, 4-6-12, 20-6-12, 8-7-12, 18-7-12, 27-7-12*

Workmanship. Are the butts of plating planed or otherwise fitted? *Yes*
 Are 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 plates
 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? *Very few*
 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 *Good*
 Have all the centerways been tested as required by the Rules (Sec. 26, par. 20)? *Yes*
 State results of tests *Good*

general Remarks (State quality of workmanship, &c.) This vessel has now been built in accordance with the proposed plans, and the Secretary's letter of the above mentioned date, and in general conformity with the Society's rules. The materials and workmanship employed during the construction are of good quality.

The arrangement of Bulkheads in this vessel was approved, subject to the following
 station being made in the Register Book, (see Secretary's letter addressed to the Council, dated
 19th February 1912) viz:- Intermediate B.H. in after hold, and Intermediate between deck
 B.H. in fore hold dispensed with: 1 B.H. to Shelter Deck, 4 B.H. to upper deck, 1 B.H. to second deck
 only.

On completion the vessel was placed in Marine Palmers Dry Dock Jan 5, and the Bottom and Rudder
examined and painted, the Bilge Keels on port & starboard side were repaired as follows: - Starboard
Forward length of Bilge Keel bulk plate removed & replaced, and length adjoining joined in place. Port and
Forward length of Bulk plate removed & replaced. One length of keel removed & replaced. The last joined.

The Surveyor should state the Number of Report and Name of any Sister Vessel. No Harmonics Mar. R. No. 6341

The Surveyor should state the Number of Reports and Remarks made.

Amount of Entry Fee £ 5 : 0 : 0
Special Survey Fee ... £ 143 : 6 : 0
Travelling Expenses, if any £ : :
Fees applied for,
MAR 26 1913
Received by me,
28/3/13
Certificate to be sent to Newcastle Date of issue 4/4/13
State whether the Vessel has been built under Special Survey Yes
In my opinion this Vessel should be Classed 100 ft. Shelter Deck, Subject to
with or without Freeboard, as condition of Class with Freeboard.
Ald. Munro
Surveyor to Lloyd's Register of British and Foreign Shipping

Committee's Minute
Character assigned

FRI MAR 08 1913
1000
Shura & K. and flid.
Lloyd & D. P.
+ Lm 63.13
M

GENERAL REMARKS—(continued).

Rpt. of
Date of
No. in
Reg. Bk.
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Engineer
Boiler
Register
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between
liners
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collars
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No. of

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Length
Work
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Materi
Materi
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Pitch
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separat
holes
If stiff
Work

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop / ft., R.Q.D. / ft., Bridge / ft., Forecastle /
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Complete Shelter Deck with Lammage Opening*
aft

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) *2 Oke (Stl) and Shelter Oke (Stl)*

Official No. *133105* ; Signal Letters / State if Machinery is fitted aft *Amidships*

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 System*

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>143</i>	<i>420</i>	Fore peak tank,	—	—
Double bottom, under Engines and Boilers,	<i>41</i>	<i>175</i>	After peak tank,	<i>17 1/4</i>	<i>92</i>
Double bottom, if under Engines only,	—	—	Deep tank, aft,	<i>37</i>	<i>910</i>
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	<i>175 1/2</i>	<i>595</i>	Other tanks, if fitted,	—	—
	Total capacity of double bottom	<i>1190</i>	(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. *4345*

Date *9.2.1912*

No. *202* in builder's yard.

Dates of Surveys
held while building

1912
Jun. 21. Jul. 8. 9. 16. 18. 22. 24. 25. 26. Aug. 1. 7. 9. 13. 14. 16. 19. 27. Sep. 4. 12. Oct.
16. 17. 21. 23. 28. 30. Nov. 1. 4. 8. 11. 14. 15. 21. 22. 25. 26. 28 Dec. 2. 3. 6. 12. 17. 19. Jan.
Feb. 4. 5. 7. 10. 12. 13. 14. 19. 20. 25. 27. 28 Mar. 5. 6. 7. 10. 11. 13. 14

Total No. of Visits *64*

Surveyor's Signature

Alfred Munro

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Foundation