

IRON OR STEEL STEAMER.

~~r, or Awning Dk.~~

Belfast Date of com  
 held at Belfast  
 Steel Screw Steamer

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

Received at London Office  
Last Survey 21-2

TUES. SEP 2 1900

GE under }  
 age Deck... }  
 een Tonnage Dk.  
 rd, 4th, Spar or }  
 ng Dk.  
 under Upper Dk.  
 Poop  
 Bridge House  
 Forecasts  
 Houses on Deck  
 excess of Hatchways  
 ne Crown of }  
 ne Room ... }  
**Tonnage**  
 ew Space  
 ove Crown of }  
 ne Room ... }  
 GE FOR FEES...  
 ngine Room  
 avigation Spaces

~~SPAR, AWNING OR PART AWNING DECKED VESSEL,~~  
~~or a Vessel having a continuous Shade Deck.~~

Master *Reverence* (1) As

Year of Appointment { 1) As Master in service of  
owner of present vessel:—1876  
(2) As Master of this  
vessel:—1900

CLASS	FEET.
Half Breadth (moulded) .....	23.66 ✓
Depth from upper part of keel to top of Main Deck Beams .....	24.33 ✓
Girth of Half Midship Frame (as per Rule) .....	44.2 ✓
1st Number .....	92.19 ✓
Length .....	346.16 ✓
2nd Number .....	34643 ✓
Proportions—Breadths to Length .....	4.9 ✓
Depths to Length—Main Deck to top of Keel .....	15.4 ✓

Built at *Belfast*  
When built *1900* Launched *23<sup>d</sup> Augt 1900*  
By whom built *Worsman Clark & Co. Ltd.*  
Owners *Lampert & Holt*  
Managers  
(Where necessary to be entered in Reg. Book.)  
Residence *Liverpool*  
Port belonging to *Liverpool*

Net Tonnage put on Beam....	2625.65	Destined Voyage	Santa Lucia	If Surveyed while Building	Feet	Inches	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams
BREADTH	Feet.	Inches.	DEPTH, top of Floors to Spar	Main Deck Beams	28	4	534	534	2	2

GTH on Deck per Rule. ....		Feet. 346	Inches. 2	BREADTH Moulded. 44	4	Do. do. Main Dk. 28.6	Spar on Main Dk. Moulded depth, ft. 23	ins. 4	To Main Dk. Round up of Beam, Main Dk. 112	ins.
Dimensions of Ship per Register, Length 348		breadth 44.5		depth. 28.6		Main Deck.		Inches in Ship.		Inches per Rule. Or as Approved.
						FORGINGS AND CASTINGS.		Inches in Ship.		Inches per Rule. Or as Approved.

FRAMING.	Inches	Inches	20ths	Inches	20ths
	in Ship.	in Ship.	in Ship.	per Rule Or a	per Rule per Rule
AME, Angles, or $\frac{1}{2}$ E or $\frac{1}{4}$ Bars, for $\frac{1}{2}$ length amidships	6	32	9	6	32 9
do. for $\frac{1}{2}$ at each end	32	32	9	32	32 9
do. in way of Double Bottoms at Solid Floors	24			24	
Distance of Frames from moulding edge to moulding edge, all fore and aft	6	32	9	6	32 9
EVERSED FRAME, Angles.	9			9	
DEEP FRAMING, depth of girder					
FLOORS, depth and thickness of Floor Plate at mid line for $\frac{1}{2}$ length amidships					
" in way of Engines and Boilers					
" thickness at the ends of vessel					
" depth at $\frac{1}{2}$ the half bath, as per Rule					
" height extended at the Bilges					
FLOORS & BRACKETS, in Cell Dble Bottoms	24			24	
Distance apart	44			44	
ENTRE GIRDER, in Double bottom, depth and thickness	4	4	9	4	4 9
" " Angles, Top	5	5	11	5	5 11
" " Bottom	one			one	
IDE GIRDERS, number and thickness	32	32	8	32	32 8
" Angles	40			40	
MARGIN PLATE, depth (exclusive of flange) and thickness	4	4	9	4	4 9
" Angles	36			36	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake					
" " thickness in Engine and Boiler space					
BEAMS, Spar on Avining Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8	3	10	8	3 10
" Angles on upper edge	24			24	
" Average space	11			11	
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb					
" Angles on upper edge	48			48	
" Average space					
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb					
" Angles on upper edge					
" Average space					
BEAMS, Hold, or Orlop, Plate or Tee Bulb					
" Angles on upper edge	8	32	9	8	3
" Average space					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	48			48	
" Angles on upper edge	8			8	
" Average space					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	48			48	
" Angles on upper edge	9			9	
" Average space					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	48			48	
" Angles on upper edge	8			8	
" Average space					
PILLARS, In tween Deck, size and spacing	28	48		28	48
" " Hold	28	48		28	48
" " Quarter, tween Dks.,	28	96		28	96
" " in Hold	48	96		48	96
WEB FRAMES, In Fore Body, No. and spacing					
" " breadth & thickness					
" " No. of Side Stringers					
WEB FRAMES, In E. & B. Space, No. & spacing	34			34	
" " breadth & thickness	23			23	
WEB FRAMES, In After Body, No. and spacing					
" " breadth & thickness					
" " No. of Side Stringers					
" " Size of Angles or Tee Bars to Web Frames	4	32	9	4	32
BRACKET PLATES to Stringers between Web Frames, depth and thickness					

FORGINGS AND CASTINGS.

KEEL, Bar or Side Plates, depth and thickness .....	11 x 3/4	11 x 3/4
STEM, moulding and thickness .....	11 x 3/4	11 x 3/4
STERN-POST for Rudder do. do. ....	11 x 3/4	11 x 3/4
for Propeller .....	10 1/2 x 3/4	9 1/2 x 3/4
" " of Rudder, diameter at head ..	8 1/2	8 1/2
do. at heel ..	8 1/2	8 1/2

*Plots 22 1/2 thick*

**RUDDER**, how constructed *Forged, single piece* *20*

Can the Rudder be unshipped afloat? *Yes*

Inches in Ship.	Inches in Ship.	<sup>20th</sup> Inches in Ship.	Inches per Rule	Inches per Rule	<sup>20th</sup> Inches per Rule
			Or a	Approved	

**KEELSON, Vertical Plate**

	floors, Through Plate, or Intercostal Plate)	
"	Rider Plate .....	
"	Bulb Plate to Intercostal Keelson .....	
"	Horizontal Plates on Floors .....	
"	Angles .....	
<b>SIDE KEELSON,</b>	Angles .....	
"	Bulb or Plate above floors, for .....	lng.
"	Intercostal Plate, for .....	length
"	Attached to outside plating with Angle .....	
<b>BILGE KEELSON,</b>	Angles .....	
"	Bulb or Plate above floors, for .....	lng.
"	Intercostal Plate, for .....	length
"	Attached to outside plating with Angle ..	
<b>BILGE STRINGER</b>	Angles .....	
"	Bulb Plate, for .....	length
"	Intercostal Plate, for .....	length
"	Attached to outside plating with Angle ..	
<b>SIDE STRINGER</b>	Angles .....	
"	Bulb or Intercostal Plate, for .....	lng.
"	Attached to outside plating with Angle ....	

	Spar,	or Awning	Deck Stringer	Plates,	
			breadth and thickness		4x4x9v 4x4x9
			Angle on ditto		
			Tie Plates, fore and aft, outside Hatchways		
			Diagonal Tie Plates, No. of prs.		
			Deck, * Iron or Steel, for	fulling.	
			Wood Deck, Material & thickness		
			Main Deck Stringer Plate, breadth & thickness		54v 10v 54v 10v 4x4x9v 4x4x9
			Angles on ditto, No.	fulling.	
			Tie Plates, outside Hatchways		
			Diagonal Tie Plates, No. of prs.		
			Deck, * Iron or Steel, for	fulling.	
			Wood Deck, Material & thickness		
			Lower Deck Stringer Plates, breadth & thickness		
			Angles on ditto, No.		
			Tie Plates, outside Hatchways		
			Deck, * Material and thickness		
			Hold, or Outlet Stringer Plate, breadth & thickness		
			Angles on ditto, <i>same as fore angle</i>		
			Tie Plates, outside Hatchways		
			Deck, Material and thickness		
			Poop Deck Stringer Plate, breadth & thickness		
			Angles on ditto		
			Tie Plates		
			Deck, Material and thickness	P. Pine	
			Bridge Deck Stringer Plate, breadth & thickness		
			Angle on ditto		
			Tie Plates	fulling.	
			Deck, Material and thickness	Steel & y Pine	
			Forecastle Deck Stringer Plate, breadth & thickness		
			Angle on ditto		
			Tie Plates		
			Deck, Material and thickness	P. Pine	

* If Iron or Steel Deck, state if <i>as above</i>				STIFFENERS.			Single or Double Frames.
BULKHEADS.		Number.		Thickness.	Horizontal.	Vertical.	Spacing.
		In Vessel.	Per Rule.		Inches.		Inches.
<i>File 9</i>				<i>✓</i>	<i>Butt Joints</i>	<i>2'-0"</i>	<i>2'-0"</i>

[illegible]



[illegible]

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

M. 20 Feb'y 1899 20 March, 21<sup>st</sup> April, 30 May, 21 June, 3 July 1900, 12 June, 7 July, 14 Sept, 20 Sept.

**Workmanship.** Are the butts of plating placed or strapped properly? *Yes*  
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 faying surfaces? *Yes* Do any rivets break into or through the seams or butts of plating? *A few*  
Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes*  
**General Remarks** (State quality of workmanship, &c.)

This vessel, which is a sister vessel of the P.S. "Calderon" (Ref. Report No. 5150) has been examined in accordance with the appended plans and with the Rules. The weather decks and the tanks have been tested for water-tightness, and the tank pumps and water-tight doors have been satisfactorily tested. The materials and workmanship are of good description throughout.

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

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 31 ft., B.D. or Brook 10 ft., Bridge Dk 10 ft., P. castle 7 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 as it should appear in the Register Book) 2 Decks steel and deep framing 18" (18") & spar deck (18") & deep frame

Official No. 113409; Signal Letters \_\_\_\_\_  
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.					
Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	96'	202'	Fore peak tank,	✓	90'
Double bottom, forward,	116'	295'	After peak tank,	✓	55'
Double bottom, under Engines and Boilers,	88'	276'	Midship deep tank,	✓	✓
Double bottom, if under Engines only,			Other tanks, if fitted,	✓	✓
Double bottom, if under Boilers only,		443'	(If necessary, furnish further information by sketch.)		

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

State whether the above have been tested as required by the Rules. *[Signature]*

Order for Special Survey No. <u>439</u>	DATES OF SURVEYS held while building as per Section 18.	1st. On the several parts of the frame, when in place, and before the plating was wrought	1899. Oct 5. 6. 11. 19. 23. 27. Nov. 9. 13. 22. 27. 30. Dec. 3. 19. 24.
Date <u>26 Sept 1899</u>		2nd. On the plating during the process of riveting	1900. Jan. 8. p. 18. 23. 26. 29. 31. Feb. 5. 12. 13. 22. 26. Mar. 1. 4. 8.
Order for Ordinary Survey No. ....		3rd. When the beams were in and fastened, and before the deck was laid	12. 21. 23. 26. Apr. 2. 5. 11. 12. 23. 25. 26. 30. May 7. 16. 22. 29. 31. June 1.
Date <u>✓</u>		4th. When the ship was complete, and before the plating was finally coated or cemented	✓ 18. 25. 29. July 10. 20. 23. 24. 26. Aug 2. 14. 21. 24. 28. Sept. 6. 7. 10.
No. <u>168</u> in builder's yard.		5th. After the ship was launched and equipped	12. 19. 20. 26.
		Total No. of Visits <u>40</u>	

The amount of Entry Fee..... £ 5 : - : -  
Special Survey Fee ...£ 124 : 4 : 6  
Travelling Expenses, if any £ : : :  
Fees applied for, 21-9-1920  
Received by me, 26-9-18  
I am of opinion this Vessel should be Classed + 100 A1 Spar deck 2 decks 2 to keels  
without Foreboard as condition of Class without  
Certificate to be sent to This Office  
R. J. Pennington  
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute  
Character assigned

at 11  
+ 2mc 9.00  
inquire