

Spar, or Awning Dk.

# IRON OR STEEL STEAMER.

No. 11937

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

of *Greenock* Date of completion of Report *28<sup>th</sup> Feb<sup>y</sup>* Received at London Office *TUES. 1 MAR 1898*  
held at *Greenock & Port Glasgow* Date, First Survey *1<sup>st</sup> August 1897* Last Survey *26<sup>th</sup> February 1898*  
*Steel Iron Steamer "Craigrowan"* Schooner Rig *2 Mast*

GE under  
ge Deck... 2373.84  
on Tonnage Dk.  
ed, 4th, Spar or  
ing Dk.  
nder Upper Dk. 2373.84  
op  
ridge House 33.02  
No. Forecasts 39.85  
Do. Horses on Deck 20.04  
Access of Hatchways 34.21  
Do. above Crown of  
Engine Room 6.40  
Gross Tonnage 2507.33  
Crew Space 61.48  
Do. above Crown of  
Engine Room 6.40  
Tonnage for Fees 2439.45  
Engine Room 802.35  
Navigation Spaces 34.35

SPAR, ~~AWNING~~ OR PART AWNING-DECKED VESSEL,  
or a Vessel having a continuous Shade Deck.  
CLASS *100A1*  
Half Breadth (moulded) 21.85 21.85  
Depth from upper part of keel to top of Main Deck Beams 6.62 24.12  
Girth of Half Midship Frame (as per Rule) 34.42 42.00  
1st Number 72.89 50.97  
Length 312.33  
2nd Number 22766.25290  
Proportions—Breadths to Length 7.12  
Depths to Length—Main Deck to top of Keel 12.94  
Destined Voyage *River Plate*

Master *William Smith*  
Year of Appointment (1) As Master in service of owner of present vessel:—18.98 (2) As Master of this vessel:—1898  
Built at *Port Glasgow*  
When built 1898. Launched 25<sup>th</sup> January 1898  
By whom built *A. Rodger & Co.*  
Owners *The Scottish Oceanic S.S. Co. Ltd.*  
Managers *Russell Huskie & Co.*  
Residence *13 Bernard Street Leith*  
Port belonging to *Leith*  
If Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, top of Floors to Spar or Awn. Dk. Beams	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams
as per Rule	312	4	Moulded	43	8 1/2	Do. do. Main Deck Beams	20	9 1/2	249	249	one	two

Dimensions of Ship per Register, Length 314.4 breadth 44.0 depth. 20.75 Spar or Awn. Dk. Moulded depth, ft. 23 ins. 3 To Main Dk. Round up of Beam, Main Dk. 10 1/2 ins.

FRAMING.					FORGINGS AND CASTINGS.					Inches in Ship.					Inches per Rule Or as Approved				
	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved	20ths per Rule Or as Approved		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved	20ths per Rule Or as Approved		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved	20ths per Rule Or as Approved		
FRAME, Angles, or <del>TEE</del> Bars, for 1/2 length amidships	5	3 1/2	9	5	3 1/2	KEEL, Bar or Side Plates, depth and thickness													
Do. for 1/2 at each end	5	3 1/2	8	5	3 1/2	STEM, moulding and thickness	10 x 2 1/2			10 x 2 1/2			10 x 2 1/2			10 x 2 1/2			
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	8	13 1/2	3 1/2	STERN-POST for Rudder do. do.	10 x 5 1/2			10 x 5 1/2			10 x 5 1/2			10 x 5 1/2			
Distance of Frames from moulding edge to moulding edge, all fore and aft	24		124			" " for Propeller	8			8			8			8			
REVERSED FRAME, Angles	6	3 1/2	9	6	3 1/2	MAIN PIECE of Rudder, diameter at head	6 in.			6 in.			6 in.			6 1/2 x 4			
DEEP FRAMING, depth of girder	8		18			do. at heel													
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						RUDDER, how constructed	Forged & Single plate, per tracing												
" in way of Engines and Boilers						Can the Rudder be unshipped afloat?	Yes												
thickness at the ends of vessel																			
depth at 1/2 the half-bdth. as per Rule						KEELSONS AND STRINGERS.													
height extended at the Bilges						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate													
FLOORS & BRACKETS, in Cell Dble Bottoms	40		7	40	7	" Rider Plate													
Distance apart	24		124			" Bulb Plate to Intercoastal Keelson													
CENTRE GIRDER, in Double bottom, depth and thickness	40		10	40	10	" Horizontal Plates on Floors													
" Angles, Top	4	4	9	4	9	" Angles													
" Bottom	4 1/2	4 1/2	10	4 1/2	10	SIDE KEELSON, Angles													
SIDE GIRDERS, number and thickness	One		7	One	7	" Bulb or Plate above floors, for length													
" Angles	3 1/2	3 1/2	7	13 1/2	3 1/2	" Intercoastal Plate, for length													
MARGIN PLATE, depth (exclusive of flange) and thickness	30		8	30	8	Attached to outside plating with Angle													
" Angles	3 1/2	3 1/2	8	13 1/2	3 1/2	BILGE KEELSON, Angles													
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36		9	36	9	" Bulb or Plate above floors, for length													
" thickness in Engine and Boiler space	36		9	36	9	" Intercoastal Plate, for length													
" Remainder in Holds	36		9	36	9	Attached to outside plating with Angle													
BEAMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	9	5 1/2	9	19	5 1/2	BILGE STRINGER Angles	8	3	11	8	3	11	8	3	11	8	3		
" Angles on upper edge	48		148			" Bulb Plate, for length													
" Average space	12	6 1/2	12	12	6 1/2	" Intercoastal Plate, for whole length	3 1/2	3 1/2	8	3 1/2	3 1/2	8	3 1/2	3 1/2	8	3 1/2	3 1/2		
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						Attached to outside plating with Angle	8	3	11	8	3	11	8	3	11	8	3		
" Angles on upper edge						SIDE STRINGER Angles													
" Average space						" Bulb or Intercoastal Plate, for length													
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						Attached to outside plating with Angle													
" Angles on upper edge						Spar, or Awning Deck Stringer Plates, breadth and thickness	4 1/2	10	4 1/2	10	4 1/2	10	4 1/2	10	4 1/2	10	4 1/2		
" Average space						" Angle on ditto	4 x 4 x 10		4 x 4 x 10	4 x 4 x 10	4 x 4 x 10	4 x 4 x 10	4 x 4 x 10	4 x 4 x 10	4 x 4 x 10	4 x 4 x 10	4 x 4 x 10		
BEAMS, Hold, or Orlop, Plate or Tee Bulb						" Tie Plates, fore and aft, outside Hatchways													
" Angles on upper edge						" Diagonal Tie Plates, No. of prs.													
" Average space						" Deck, * Iron or Steel, for whole length	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16		
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	7	3	8	7	3	" Wood Deck, Material and thickness													
" Angles on upper edge	48		148			Main Deck Stringer Plate, breadth & thickness													
" Average space	7 1/2	3	9	7 1/2	3	" Angles on ditto, No.													
PILLARS, In 'tween Deck, size and spacing	2 1/2		48	2 1/2	48	" Tie Plates, outside Hatchways													
" " Hold	3 1/2		48	3 1/2	48	" Diagonal Tie Plates, No. of prs.													
" " Quarter, 'tween Dks., " "	4		48	4	48	" Deck, * Iron or Steel, for length													
" " in Hold						" Wood Deck, Material and thickness													
WEB FRAMES, In Fore Body, No. and spacing br'dth. & thickness						Lower Deck Stringer Plates, br'dth & thick'n	54	10	54	10	54	10	54	10	54	10	54		
" No. of Side Stringers						" Angles on ditto, No.	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9	4 x 4 x 9		
WEB FRAMES, In E. & B. Space, No. & spacing br'dth. & thickness	Two		Two			" Tie Plates, outside Hatchways	10 1/2	10	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2		
" " " "	18		18			" Deck, * Material and thickness													
WEB FRAMES, In After Body, No. and spacing br'dth. & thickness						Hold, or Orlop Stringer Plate, br'dth & thick'n													
" No. of Side Stringers						" Angles on ditto, No.													
" Size of Angles or Tee Bars to Web Frames						" Tie Plates, outside Hatchways													
BRACKET PLATES to Stringers between Web Frames, depth and thickness						" Deck, Material and thickness													
						Poop Deck Stringer Plate, breadth & thickness	30	6	30	6	30	6	30	6	30	6	30		
						" Angles on ditto	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6		
						" Tie Plates	10	6	10	6	10	6	10	6	10	6	10		
						" Deck, Material and thickness	3	3	3	3	3	3	3	3	3	3	3		
						Bridge Deck Stringer Plate, br'dth & thickness	40	8	40	8	40	8	40	8	40	8	40		
						" Angles on ditto	3 x 3 x 8	3 x 3 x 8	3 x 3 x 8	3 x 3 x 8	3 x 3 x 8	3 x 3 x 8	3 x 3 x 8	3 x 3 x 8	3 x 3 x 8	3 x 3 x 8	3 x 3 x 8		
						" Tie Plates	12	8	12	8	12	8	12	8	12	8	12		
						" Deck, Material and thickness	3	3	3	3	3	3	3	3	3	3	3		
						Forecastle Deck Stringer Plate, br'dth & th'kns	30	6	30	6	30	6	30	6	30	6	30		
						" Angles on ditto	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6	3 x 3 x 6		
						" Tie Plates	10	6	10	6	10	6	10	6	10	6	10		
						" Deck, Material and thickness	3	3	3	3	3	3	3	3	3	3	3		



PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Diam.	Spacing cr. to cr.			Diam.	Spacing cr. to cr.		Breadth.	Thickness.	Breadth.	For what Length.		
Inches.	16ths or 20ths.	16ths or 20ths.	16ths or 20ths.	16ths or 20ths.	Inches.	16ths or 20ths.	Inches.	16ths or 20ths.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Feet.	
FLAT PLATE KEEL .....	36	16	12	12	36	16	Double	6	1.	4	1 1/2	3 1/2	19	20.					
(If Bar Keel, state Riveting)																			
GARBOARD OR A STRAKE ...	54	12	11	11	54	12		6 3/4	1 1/8	4 3/2		3 1/2					9	whole	
State actual thickness in way of Double Bottom.																			
B "	60	10	9	9	60	10		5 1/4	7/8	3 1/2	Double	3 1/2					10 1/2	do.	
C "	54	10	9	9	54	10		5 1/4	7/8	3 1/2	do.	3 1/2					10 1/2	do.	
D "	60	11	9	9	60	11		5 1/4	7/8	3 1/2	do.	3 1/2					10 1/2	do.	
E "	54	11	9	9	54	11		5 1/4	7/8	3 1/2	do.	3 1/2					10 1/2	do.	
F "	60	11	9	9	60	11		5 1/4	7/8	3 1/2	do.	3 1/2					10 1/2	do.	
G "	54	11	9	9	54	11		5 1/4	7/8	3 1/2	do.	3 1/2					10 1/2	do.	
H "	60	11	9	9	60	11		5 1/4	7/8	3 1/2	do.	3 1/2					10 1/2	do.	
J "	52	12	9	9	52	12		6 5/8	1 1/8	4 3/2	do.	3 1/2					10 1/2	do.	
Sheerstrake K "	42	15	10	10	42	15		6	1.	4.	Double	1 1/8	3 1/2	3 1/2			10 1/2	do.	
L "																			
M "																			
N "																			
O "																			
P "																			
Q "																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges .....	Increased 2/20 in thickness for 3/4 length, and doubled for 20ft at ends of Bridge House.																		
of Sheerstrakes.	1/20																		
of Strake below																			
POOP SIDES .....	7																		
BRIDGE SIDES .....	8																		
FORECASTLE SIDES .....	7																		

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. ? *Siemens Martin steel from Glasgow.*

*Hallside, Lanarkshire, Bdo Row, Palmers, Clydebridge, Mossend*

**Spar or Awning Butts,** treble riveted for *3/4* length amidship.

**Stringer Plate Straps,** single, double or overlapped for *whole* length amidship.

**Main Stringer Butts,** treble riveted for *whole* length amidship.

**Plate Straps,** single, double or overlapped for *whole* length amidship.

**Butts of Bilge & Side Stringers and Tie Plates,** treble or double riveted ? *and*

**Inner Bottom Plating,** riveting of Edges *Double & Single* Butts *Double & Single*

**Centre Girder Butts,** *Treble* riveted **Keelson Butts,** *Treble* riveted.

**Frames,** riveted through Plates with *7/8* in. Rivets, about *6 1/2* apart.

**Rivets,** state whether Iron or Steel. *Iron*

**FRAMES** extend in one length from *middle line* to *margin plate & to top height*.

**REVERSED FRAMES** on floors and frames extend from *middle line* to *margin plate & to upper deck alternately* to upper and forecastle deck & double in Engine & Boiler space.

**MASTS, SPARS, &c.**

	Material.	Total Length	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Heads.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.... Fore .....	<i>Steel</i>	<i>62</i>	<i>2 1/2 x 7/16</i>	<i>1 3/4 x 7/16</i>	<i>1 1/2 x 7/16</i>	<i>1 1/4 x 7/16</i>	<i>Two</i>			<i>Single</i>	<i>Double &amp; Single</i>
Main .....	<i>do.</i>	<i>54 8</i>	<i>2 1/2 x 7/16</i>	<i>1 3/4 x 7/16</i>	<i>1 1/2 x 7/16</i>	<i>1 1/4 x 7/16</i>	<i>Two</i>			<i>do.</i>	<i>do.</i>
Mizen .....											
Bowsprit .....	<i>Serricks of Pitch Pine</i>										
Topmasts, Yards and Remainder of Spars	<i>Pitch Pine</i>										
Rigging, Material and Size, Shrouds	<i>Galvanized Steel wire</i>										
Sails.	<i>One</i>	Suit of									

*3' Stays 5 1/2'*

Sails, and the following spare sails

EQUIPMENT No. *28932* LETTER *C.* ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQ. BY RULE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
<i>4346</i>	1st Bower	<i>42</i>	<i>2</i>	<i>20</i>				<i>37</i>	<i>11</i>	<i>3</i>	<i>14</i>	<i>42</i>	<i>2</i>	<i>0</i>	<i>Taylor's 3 1/2' Stockless</i>	<i>S. Taylor &amp; Sons</i>	<i>30/10/97</i>
<i>4345</i>	2nd "	<i>42</i>	<i>2</i>	<i>4</i>				<i>37</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>42</i>	<i>2</i>	<i>0</i>	<i>- do -</i>	<i>- do -</i>	<i>30/10/97</i>
<i>4347</i>	3rd "	<i>36</i>	<i>2</i>	<i>6</i>				<i>33</i>	<i>8</i>	<i>3</i>	<i>0</i>	<i>36</i>	<i>1</i>	<i>0</i>	<i>- do -</i>	<i>- do -</i>	<i>30/10/97</i>
	Collective weight	<i>121</i>	<i>3</i>	<i>2</i>								<i>121</i>	<i>1</i>	<i>0</i>			
<i>4348</i>	Stream	<i>10</i>	<i>3</i>	<i>2 1/2</i>	<i>2</i>	<i>3</i>	<i>10</i>	<i>12</i>	<i>17</i>	<i>2</i>	<i>0</i>	<i>10</i>	<i>3</i>	<i>0</i>	<i>Common</i>	<i>- do -</i>	<i>30/10/97</i>
<i>4349</i>	Kedge	<i>5</i>	<i>2</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>16</i>	<i>7</i>	<i>16</i>	<i>1</i>	<i>0</i>	<i>5</i>	<i>2</i>	<i>0</i>	<i>- do -</i>	<i>- do -</i>	<i>30/10/97</i>
	2nd Kedge																

*Glasgow machine Seedhouse*

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.					
				Supplied.	Per Rule.														
<i>2300</i>	<i>120</i>	<i>1 1/2</i>	<i>88.5</i>	<i>212.2</i>	<i>2.12</i>	<i>425.1</i>	<i>0</i>	<i>240</i>	<i>1 1/2</i>	<i>Stud Link</i>	<i>S. Taylor &amp; Sons</i>	<i>30/10/97</i>	<i>TOWLINE</i>	<i>100</i>	<i>4</i>	<i>33</i>	<i>100</i>	<i>4</i>	
<i>2301</i>	<i>120</i>	<i>1 1/2</i>	<i>- do -</i>	<i>212.2</i>	<i>2.19</i>			<i>- do -</i>	<i>30/10/97</i>	<i>- do -</i>	<i>90</i>	<i>3 1/4</i>	<i>22</i>	<i>90</i>	<i>3 1/4</i>				
<i>2251</i>	<i>75</i>	<i>1 1/2</i>	<i>34.3</i>	<i>50.1</i>	<i>5</i>	<i>48.2</i>	<i>6</i>	<i>75</i>	<i>1 1/2</i>	<i>- do -</i>	<i>- do -</i>	<i>16/10/97</i>	<i>WARP</i>	<i>90</i>	<i>3 1/4</i>	<i>22</i>	<i>90</i>	<i>3 1/4</i>	
Iron Steam Chain or Steel Wire ...																			

*Glasgow machine Seedhouse*

**Boats** *4-10*

**Pumps,** Number *6* *Hold* *1* *Fore Peak*. Diameter of Barrel and Tail Pipe *4 x 2 1/2*

**Windlass** is *Emerson Walker & Thompson Bros patent* *Winches* *4 No. Dunlop Bell & Co*

**Engine Room Skylights.**—How constructed? *of Teak on steel coaming.*

What arrangements for deadlights in bad weather? *strong shutters & fitted with bulls' eyes.*

**Coal Bunker Openings.**—How constructed? *of steel* How are lids secured? *2 1/2 latched.* Height above deck? *15*

Number of Scuppers, and number and dimensions of **Freeing Ports, &c.** *Six Scuppers, two ports 27 x 9, and 4 ports 30 x 22, each side*

**Ceiling in Holds,** thickness and material *2 1/2 Red & White Pine* **Ceiling 'tween Decks,** thickness and material *2 1/2 White Pine*

**Cargo Hatchways.**—How formed? *of steel plates & angled.* **Hatches,** If strong and efficient?

State size **No. 1 Hatch** (Forward) *23.10 x 15.11 x 30* **No. 2 Hatch** *23.10 x 15.11 x 30* **No. 3 Hatch** *23.10 x 15.11 x 30* **No. 4 Hatch** *19.10 x 16.0 x 30*

Number of **Web Plates, Shifting Beams and Fore and Afters** to each Hatch *Two plates in No. 1, 2 & 3, and one web in No. 4 hatchway.*

**Bulwarks,** height above deck and description *48 x 5/16 Steel* **No. of Breasthooks** *5* **No. of Crutches** *Deck floors*

**Main Rail,** material and size *6 1/2 Patent section*

The above is a correct description.

Builder's Signature *A. Rodger & Co.* Surveyor's Signature *Theophilus French*

Surveyor to Lloyd's Register of British & Foreign Shipping.



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

12/7/97. M. 3/9/97 M. 12 Dec 96. E.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed, where practicable*

Is the riveted work properly closed? *Yes.*

Are the liners between the frames and plates solid single pieces? *Yes.*

to plate, &c., conform well to each other? *Yes.*

from the faying surfaces? *Yes.*

Do the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

Do any rivets break into or through the seams or butts of plating? *Yes, a few.*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes.*

General Remarks (State quality of workmanship, &c.)

*This vessel has been built in accordance with the Rules & the approved tracings of which the sketches of the Midship sections are now in the London office.*

*The steel used in the hull has been tested as required by the Rules & found to be of good quality.*

*The workmanship is good.*

*The hand pumps have been worked, and found to be satisfactory.*

*The weather decks flooded, and found to be free from leakage.*

*The watertight doors, are in good working order.*

*Iron plates are embedded in the cement under each sounding pipe.*

*See Forging Reports attached.*

*Camber of keel 3/4 in.*

*This is a sister vessel to the S.S. "Ulverston" Greenock, 1st Entry Report No. 11787. (Separate app. & plan.)*

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

ARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *29* ft., R.O.D. or Break *76* ft., Bridge Dk. *76* ft., F'castle *29* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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) *10R (Stl) and deep framing*

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside *by paint & cement* Outside *by paint.*

ARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system *Yes. See tracings.*

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, { No 4 No 3 No 2 No 1	52 50 74 56	102 144 210 127	Fore peak tank,		
Double bottom, forward,			After peak tank,	<i>10</i>	<i>34</i>
Double bottom, under Engines and Boilers,		<i>583</i>	Midship deep tank,		
Double bottom, if under Engines only,			Other tanks, if fitted,		
Double bottom, if under Boilers only,			(If necessary, furnish further information by sketch.)		

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

For Special Survey No. *1884*

Date *12 May 1897.*

For Ordinary Survey No.

Date

*332* in builder's yard.

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
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened, and before the decks were laid
- 4th. When the ship was complete, and before the plating was finally coated or cemented
- 5th. After the ship was launched and equipped

*1896 Aug 4. 12. 17. 23. 30 Sept 2. 6. 8. 13. 21 27 Oct 4. 6 8. 13. 19. 21. 28. 29 Nov 2. 6. 10. 16. 19. 23. 25. 29 Dec 3. 7. 13. 20. 22. 24 27. 28. 30-1897- Jan 4. 15. 18. 21. 22. 24. 25 Feb 2. 7. 10. 15. 17 19. 24. 26.*

Total No. of Visits *51.*

Amount of Entry Fee.....£ *5* : " : "  
Special Survey Fee ...£ *85* : *19* : *6*  
Travelling Expenses, if any £ " : " : "

Fees applied for, *25.2.1898*  
Received by me, *28.2.1898*  
*D.K.*

Certificate to be sent to

*Greenock.*

in opinion this Vessel should be Classed

with, or without Freeboard, as condition of Class

*100A1. Spar dr.*

*Lt. P. Phillips & James French*  
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

*TUES. 8 MAR 1898*

Character assigned

*2 at cl  
+ 2 mc 2, 98*

*100A1 Steel  
Spar dr.  
w. fld. s. 3-1 1/2*

*10R Bl 2 LRB + deep framing*



© 2019

Lloyd's Register Foundation

GRK 340-0088 (2/2)