

# Spar, or Awning Dk. IRON OR STEEL STEAMER.

No. 12694

State if Report is also sent on the Machinery of the Vessel...  
 Port of **WEST HARTLEPOOL** Date of completion of Report **28<sup>th</sup> August 1905** Received at London Office **1905**  
 Survey held at **West Hartlepool** Date, First Survey **11<sup>th</sup> March 1905** Last Survey **21<sup>st</sup> August 1905**  
 On the **Steamer "CAMERON"** Rig **Schooner**

**TONNAGE under Tonnage Deck**  
 Do. between Tonnage Dk. and 3rd, 4th Spar or Awning Dk.  
 Total under Upper Dk. **2831.37**  
 Do. of Hold **96.91**  
 Do. of Bridge House **6.34**  
 Do. of Forecasts **40.63**  
 Do. of Houses on Deck **33.44**  
 Do. of excess of Hatchways **36.20**  
 Do. above Crown of Engine Room **3043.99**  
 Gross Tonnage **94.58**  
 Crew Space  
 Above Crown of Engine Room **2949.41**  
 Tonnage for Fees...  
 Engine Room **974.08**  
 Navigation Spaces **46.54**  
 Register Tonnage **1928.79**  
 as cut on Beam...

**SPAR, AWNING OR LAST AWNING DECKED VESSEL,**  
 or a Vessel having a continuous Shade Deck.

**CLASS** **STEAMER**  
**FEET.**  
 Half Breadth (moulded) **23.42**  
 Depth from upper part of keel to top of Main Deck Beams **18.00**  
 Girth of Half Midship Frame (as per Rule) **36.55**  
 1st Number **77.97**  
 Length **323.33**  
 2nd Number **25210**  
 Proportions—Breadths to Length **6.9**  
 Depths to Length—Main Deck to top of Keel **17.96**

Master **Thomas Foley**  
 Year of Appointment **1905**  
 Built at **West Hartlepool**  
 When built **1905** Launched **18<sup>th</sup> July 1905**  
 By whom built **Wm's & S. & S. Co. Ltd.**  
 Owners **J. M. Cameron**  
 Managers **West Hartlepool**  
 Residence **West Hartlepool**  
 Port belonging to **West Hartlepool**

**LENGTH on Deck** **323** **Feet.** **Inches.** **BREADTH—** **Feet.** **Inches.** **DEPTH, top of Floors to Spar or Awning Dk. Beams** **Feet.** **Inches.** **Power of Engines** **Horse.** **No. of Decks with flat laid** **one**  
 as per Rule... **323** **4** **Moulded** **46** **10** **Do.** **Do.** **13** **9 1/2** **No. of Tiers of Beams** **two**  
 Dimensions of Ship per Register, Length **325.2** breadth **47.1** depth **22.6** Spar or Awning Dk. Moulded depth, ft. **17** ins. **0 1/2** To Main Dk. Round up of **11 1/2** ins.

FRAMING.						FORGINGS AND CASTINGS.					
	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 $\angle$ or $\square$ Bars, for $\frac{1}{2}$ length amidships	5 1/2	3 1/2	9	5 1/2	3 1/2	KEEL, Bar or Side Plates, depth and thickness	10 x 2 1/4	10 x 2 1/4	10 x 2 1/4	10 x 2 1/4	10 x 2 1/4
Do. for $\frac{1}{2}$ at each end	3	3	8	3	8	STEM, moulding and thickness	10 x 6	10 x 6	10 x 6	10 x 6	10 x 6
Do. in way of Double Bottoms at Solid Floors	24	24	24	24	24	STERN-POST for Rudder do. do.	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
Distance "of Frames from moulding edge to moulding edge, all fore and aft	7 1/2	25	9.8	7 1/2	9.8	" " for Propeller	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
REVERSED FRAME, Angles	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	MAIN PIECE of Rudder, diameter at head	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
DEEP FRAMING, depth of girder	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	do. at heel	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
FLOORS, depth and thickness of Floor Plate at mid line for $\frac{1}{2}$ length amidships	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	RUDDER, how constructed	built forging single plate				
" in way of Engines and Boilers	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	Can the Rudder be unshipped afloat?	yes				
thickness at the ends of vessel	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	KEELSONS AND STRINGERS.					
depth at $\frac{1}{2}$ the half bath, as per Rule	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	CENTRE LINE KEELSON, Vertical Plate above					
height extended at the Bilges	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	Score, Through Plate, or Intercoastal Plate					
FLOORS & BRACKETS, in Cell Dble Bottoms	24	24	24	24	24	Rider Plate					
Distance apart	24	24	24	24	24	Bulb Plate to Intercoastal Keelson					
CENTRE GIRDER, in Double bottom, depth and thickness	29	10.8	29	10.8	10.8	Horizontal Plates on Floors					
" Angles, Top	4	4	9	4	9	Angles					
" " Bottom	4	4	12.11	4	12.11	SIDE KEELSON, Angles					
SIDE GIRDERS, number and thickness	one	3 1/2	7	one	3 1/2	Bulb or Plate above floors, for					
" Angles	29	8	29	8	8	Intercoastal Plate, for					
MARGIN PLATE, depth (exclusive of flange) and thickness	3 1/2	3 1/2	9	3 1/2	9	Attached to outside plating with Angle					
" Angles	39	9.8	39	9.8	9.8	BILGE KEELSON, Angles					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	8 1/2	7 x 8-7	8 1/2	7 x 8-7	7 x 8-7	Bulb or Plate above floors, for					
" thickness in Engine and Boiler space	8 1/2	7 x 8-7	8 1/2	7 x 8-7	7 x 8-7	Intercoastal Plate, for					
Remainder in Holds	8	3	11	8	3	Attached to outside plating with Angle					
BEAMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	9	3 1/2	12	9	3 1/2	BILGE STRINGER Angles					
" Angle on upper edge	24	10	7 1/2	10	7 1/2	Bulb Plate, for					
Average space	12	3 1/2	12	12	3 1/2	Intercoastal Plate, for					
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	7 1/2	10	7 1/2	10	7 1/2	Attached to outside plating with Angle					
" Angle on upper edge	24	10	7 1/2	10	7 1/2	SIDE STRINGER Angles					
Average space	12	3 1/2	12	12	3 1/2	Bulb or Intercoastal Plate, for					
BEAMS, Hold, or Orlop, Plate or Tee Bulb	9	3 1/2	11	9	3 1/2	Attached to outside plating with Angle					
" Angles on upper edge	24	10	7 1/2	10	7 1/2	Spar, or Awning Deck Stringer Plates, breadth and thickness	46	37	11.8	46	37
Average space	12	3 1/2	12	12	3 1/2	Angle on ditto	4 1/2	4 1/2	10.9	4 1/2	10.9
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	7	3	9	7	3	Tie Plates, fore and aft, outside Hatchways	10.9	10.9	10.9	10.9	10.9
" Angle on upper edge	24	10	7 1/2	10	7 1/2	Diagonal Tie Plates, No. of pps.	10.9	10.9	10.9	10.9	10.9
Average space	12	3 1/2	12	12	3 1/2	Deck * Iron or Steel, for	10.9	10.9	10.9	10.9	10.9
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	7	3	9	7	3	Wood Deck, Material and thickness	10.9	10.9	10.9	10.9	10.9
" Angle on upper edge	24	10	7 1/2	10	7 1/2	Main Deck Stringer Plate, breadth & thickness	64	37	11.8	64	37
Average space	12	3 1/2	12	12	3 1/2	Angles on ditto, No.	3 1/2	3 1/2	10.9	3 1/2	10.9
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	7	3	9	7	3	Tie Plates, outside Hatchways	10.9	10.9	10.9	10.9	10.9
" Angle on upper edge	24	10	7 1/2	10	7 1/2	Deck * Material and thickness	10.9	10.9	10.9	10.9	10.9
Average space	12	3 1/2	12	12	3 1/2	Hold, or Orlop Stringer Plate, breadth & thickness	10.9	10.9	10.9	10.9	10.9
PILLARS, In tween Deck, size and spacing	24	10	7 1/2	10	7 1/2	Angles on ditto, No.	10.9	10.9	10.9	10.9	10.9
" Hold	24	10	7 1/2	10	7 1/2	Tie Plates, outside Hatchways	10.9	10.9	10.9	10.9	10.9
" Quarter, tween Dks.	24	10	7 1/2	10	7 1/2	Deck * Material and thickness	10.9	10.9	10.9	10.9	10.9
" in Hold	24	10	7 1/2	10	7 1/2	Poop Deck Stringer Plate, breadth & thickness	10.9	10.9	10.9	10.9	10.9
WEB FRAMES, In Fore Body, No. and spacing	2	2	2	2	2	Angles on ditto	10.9	10.9	10.9	10.9	10.9
" No. of Side Stringers	2	2	2	2	2	Tie Plates	10.9	10.9	10.9	10.9	10.9
WEB FRAMES, In E. & B. Space, No. & spacing	2	2	2	2	2	Deck, Material and thickness	10.9	10.9	10.9	10.9	10.9
" breadth & thickness	24	8	24	8	8	Bridge Deck Stringer Plate, breadth & thickness	10.9	10.9	10.9	10.9	10.9
WEB FRAMES, In After Body, No. and spacing	2	2	2	2	2	Angles on ditto	10.9	10.9	10.9	10.9	10.9
" breadth & thickness	24	8	24	8	8	Tie Plates	10.9	10.9	10.9	10.9	10.9
" No. of Side Stringers	2	2	2	2	2	Deck, Material and thickness	10.9	10.9	10.9	10.9	10.9
" Size of Angle or Tee Bars to Web Frames	6	4	10	6	4	Forecastle Deck Stringer Plate, breadth & thickness	10.9	10.9	10.9	10.9	10.9
BRACKET PLATES to Stringers between Web Frames, depth and thickness	6	4	10	6	4	Angles on ditto	10.9	10.9	10.9	10.9	10.9



## RIVETING.

## PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.		IF LAPPED.				
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.
FLAT PLATE KEEL .....																	
<i>(If Bar Keel, state Keel being)</i>																	
GARDEN or A Strake ...	36	16	12	12	36	16-12	double	6	1	4	quad	1	4	✓	14-12 whole		
	60	12	11	11	53	12-11	.	5 1/4	7/8	3 1/2	quad 1/2	7/8	3 1/2		12-9		
State actual thickness in way of Double Bottom.	B	11	9	9		11-9	.	.	.	.	.	.	.		12-7 1/2		
	C	10	9	9		10-9	.	.	.	.	.	.	.		.		
	D	12	9	9		12-9	.	.	.	.	.	.	.		.		
	E	11	9	9		11-9	.	.	.	.	.	.	.		.		
	F	12	9	9		12-9	.	.	.	.	.	.	.		.		
	G	11	9	9		11-9	.	.	.	.	.	.	.		.		
	H	12	9	9		12-9	.	.	.	.	.	.	.		.		
SWR	J	13	9	9		13-9	.	6	1	4					10 1/2-9		
SWR	K	13			44	15-10					treble	1	3 1/2				
	L	48 1/2	15	10													
	M																
	N																
	O																
	P																
	Q																
DOUBLING of Flat Plate Keel																	
Length and thickness of Bilge .....	doubled below stringer at ends of bridge as per profile																
of Sheerstrake .....																	
of Strake below .....																	
POOP SIDES .....	8-9					8-9											
BRIDGE SIDES .....			7			7											
FORECASTLE SIDES .....																	
Span on Amidship (Butts, treble riveted for 3/4 length amidship.																	

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.?

Steel: Mild Steel  
 South Durham Steel & Iron Co  
 Iron: South Durham Steel & Iron Co

Spar or Lining (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 3/4 length amidship.  
 Plate (Straps, single, double or overlapped for whole length amidship.  
 Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted?  
 Inner Bottom Plating, riveting of Edges, double Butts double 1/2  
 Centre Girder Butts, treble 1/2 riveted Keelson Butts, riveted.  
 Frames, riveted through Plates with 7/8 in. Rivets, about 6 apart.  
 Rivets, state whether Iron or Steel. iron

FRAMES extend in one length from middle line to tank margin thence to gunwale  
 REVERSED FRAMES on floors and frames extend from middle line to tank margin thence to spar deck

## MASTS, SPARS, &amp;C.

LOWER MASTS.	Material.	Total Length	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	Steel	48-9	18x6	17x6		14x5	2			single	treble
Main		50-9									
Minor											
Bowprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds											
Sails.	one										

EQUIPMENT No. 32121 LETTER U ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			TEST, PER CERTIFICATE.				WEIGHT REQ. BY RULE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
19566	1st Bower	46	3	0	40	6	3	14	45	0	0	Seaboy Stockless	W. H. Reed	Harbinger 17/10/05 S. C. Paul
19578	2nd "	42	1	0	37	6	1	0	45	0	0	"	"	Id. 23/2/04 W. J. Relf
4611	3rd "	39	1	0	35	5	2	14	38	0	0	"	"	"
	Collective weight	128	1	0					128	0	0			
54340	Stream	11	3	20	13	17	2	0	12	0	0	Rodgers	J. P. Jones & Co	Wetherton 20/7/05 L. Haffner
54352	Kedge	5	2	8	1	1	27	7	5	2	0	"	"	18/7/05 H. Green
	2nd Kedge													

X The builders attention has been called to this anchor being light

## CHAIN CABLES.

## HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate.	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.									
36902	135	1 1/2	6 1/2	255-2-22	511-1-14	270 x 1 1/2	stud link	J. P. Jones & Co	Wetherton 20/7/05 L. Haffner	WIRE	100	4	33	100 x 4
36911	135	1 1/2	6 1/2	255-2-20	511-1-14	270 x 1 1/2	stud link	J. P. Jones & Co	Wetherton 29/7/05 L. Haffner	WIRE	180	4	33	180 x 4
										WARP	180	6	33	180 x 6
	90	4 1/2	39			90 x 4 1/2	8 1/2 wire	Bullivant & Co	Ed 27/7/05	cert for this wire by the Melbourne Rope & Cable Co				

Boats 2 lifeboats and 2 others

Pumps, Number as per approved plan

Windlass is Camerons Walker, Thomson Bros Ltd

Engine Room Skylights. How constructed? steel plates and angles with wood flaps

What arrangements for deadlights in bad weather? bulls eyes in wood flaps

Coal Bunker Openings. How constructed? steel plates, angles

Number of Scuppers, and number and dimensions of Freeing Ports, &c. 8 scuppers and 8 freeing ports 23 x 15 on each side

Ceiling in Holds, thickness and material 2 1/2 W.P.

Cargo Hatchways. How formed? of steel plates and angles

State size No. 1 Hatch (Forward) 24 x 16

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch

Bulwarks, height above deck and description 3-6 of 5/8 plate

The above is a correct description.

Builder's Signature (here only)

For IRVINE'S SHIP BUILDING & DRY DOCKS CO., LIMITED

Surveyor's Signature

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

MANAGING DIRECTOR.



1885. 29 AUG 1905

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

6/12/04 "m" 16/12/04 "m" 17/12/04 "m" 22/12/04 "m" Freeboard 9/8/05 "m"

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 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

yes

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

The workmanship is good, and the vessel has been built in accordance with the approved plans (6 in no) which together with the forgings reports are attached hereto

Vessel placed in dry dock before completion, bottom cleaned, examined, and recoated

Drawings  
Midship Section  
Profile  
Cross plating in B & T well  
East Street  
Stem frame  
Mast plan  
Pumping arrangement

This is a sister vessel to the S.S. "Gloriana" with Rft No 12635

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.8 ft., R.Q.D. or Break ft., Bridge Dk. 100 ft., F' castle 32 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)

Official No. 119881; Signal Letters

Spar deck (ft in ft st) 2nd B & deep framing

How are the surfaces preserved from oxidation? Inside Portland cement and paint Outside paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system

yes

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	106	225	Fore peak tank,		100
Double bottom, forward,	138	352	After peak tank,		42
Double bottom, under Engines and Boilers,			Midship deep tank,		
Double bottom, if under Engines only,	24	64	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

Order for Special Survey No. 1961

Date 8<sup>th</sup> Dec 1904

Order for Ordinary Survey No.

Date

No. 143 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 } 1905. Mar. 11. 13. 14. 16. 17. 18. 21. Apr. 6. 8. 10. 12. 13. 17. 20. 29 May. 2. 3. 4.
- 2nd. On the plating during the process of riveting } 5. 9. 11. 12. 15. 16. 18. 19. 20. 23. 24. 26. 27. 29. 31. June. 1. 2. 5. 7. 8. 9. 10. 15. 17.
- 3rd. When the beams were in and fastened, and before the decks were laid } 19. 22. 26. 27. 29. 30. July. 1. 4. 6. 7. 10. 11. 12. 14. 17. 19. 20. 22. Aug. 2. 16. 17.
- 4th. When the ship was complete, and before the plating was finally coated or cemented } 18. 19. 21.
- 5th. After the ship was launched and equipped

Total No. of Visits 66

The amount of Entry Fee.....£ 5 : :  
Special Survey Fee ...£ 98 : 14 :  
Travelling Expenses, if any £ : : :

Fees applied for,  
28. 8. 1805  
Received by me,  
12. 9. 1805

Certificate to be sent to

West Hartlepool

I am of opinion this Vessel should be Classed  
With, or without Freeboard, as condition of Class

100A1 Spar deck with

J. Bennett

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

Committee's Minute

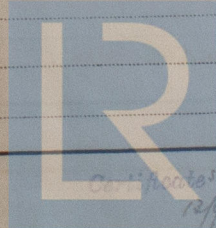
FRI. 1 SEP 1905

Character assigned

100A1 case  
Spar deck with pld S. 4. 3 1/2

Lloyd a & b. P. W. + Lm 6805

W1274-0228 2 1/2



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