

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office MON. 2 JUL 1900

Date of completion of report

Survey held at

On the

TONNAGE under

Tonnage Deck...

No. of Decks (1st, 2nd and 3rd Dk.)

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

Port of WEST HARTLEPOOL

Date, First Survey

Last Survey

Rig

Master

Year of appointment

Built at

When built

Launched

By whom built

Owners

Managers

Residence

Port belonging to

Half Breadth (moulded)

Depth from upper part of Keel to top of Upper Deck Beams

Girth of Half Midship Frame (as per Rule)

1st Number

Length on deck from after part of stem to fore part of stern post

2nd Number

Proportions—Breadth to Length

Depth to Length—Upper Deck to top of Keel

Destined Voyage

Surveyed while Building, Afloat, or in Dry Dock

Length on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
as per Rule	323	2 1/2	Moulded	46	9 1/2	22	5 1/2			3

Dimensions of Ship per Register, Length 325.0 breadth 47.1 depth 22.4 Moulded depth, ft. 24 ins. 10 To Upper Dk. Dk. Beam, Actual 11 1/2 ins.

FRAMING.				FORGINGS & CASTINGS.			
NAME, Angles, & Length	Inches in Ship	Inches in Ship	20ths per Rule	NAME, Angles, & Length	Inches in Ship	Inches in Ship	20ths per Rule
Do. for 1/2 at each end	6 1/2	9 1/2	6 1/2	KEEL, Bulb or Side Plates, depth and thickness	10 1/2 x 2 3/4	10 1/2 x 2 3/4	
Do. in way of Double Bottoms at Solid Floors	3 1/2	8 1/2	3 1/2	STEM, moulding and thickness	11 x 6	11 x 6	
Distance of Frames from moulding edge to moulding edge, all fore and aft	24	24		STERN-POST for Rudder do. do.	11 x 6	11 x 6	
EVERSED FRAME, Angles	6 1/2	9 1/2	6 1/2	" for Propeller	11 x 6	11 x 6	
DEEP FRAMING, depth of girder	9	9		MAIN PIECE of Rudder, diameter at head	8 1/2	8 1/2	
LOOKS, depth and thickness of Floor Plate at mid-line	40	7 1/2	40	" do. at heel	4 1/2	4 1/2	
" in way of Engines and Boilers	Continuous from middle	Continuous from middle		RUDDER, how constructed	Forged iron frame, plated.		
" thickness at the ends of vessel	Continuous from middle	Continuous from middle		Can the Rudder be unshipped afloat?	Yes		
" depth at 1/2 the half breadth, as per Rule	Continuous from middle	Continuous from middle		KEELSONS & STRINGERS.			
" height extended at the Bilge	Continuous from middle	Continuous from middle		CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
LOOKS & BRACKETES in Cell Dble Bottoms	24	24		" Rider Plate	Cellular double bottom		
" Distance apart	24	24		" Bulb Plate to Intercoastal Keelson			
ENTRE GIRDER, in Double bottom, depth and thickness	40	12	40	" Horizontal Plates on Floors			
" Angles, Top	4	4	4	" Angles			
" Bottom	6 1/2	4	6 1/2	SIDE KEELSON, Angles			
IDE GIRDERS, number on each side & thickness	One	One		" Bulb or Plate above floors, for length			
" Angles	3 1/2	7 1/2	3 1/2	" Intercoastal Plate, for length			
MARGIN PLATE, depth (exclusive of flange) and thickness	3 1/2	9 1/2	3 1/2	" Attached to outside Plating with Angle			
" Angles to Outside Plating	3 1/2	8 1/2	3 1/2	BILGE KEELSON, Angles			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	Iron 60	9 1/2	Iron 60	" Bulb or Plate above floors, for length			
" in Engine and Boiler space	Iron 7 1/2 x 8 1/2	9 1/2	Iron 7 1/2 x 8 1/2	" Intercoastal Plate for length			
" Remainder in Holds	Iron 6 1/2	9 1/2	Iron 6 1/2	" Attached to outside Plating with Angle			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	3	12	BILGE STRINGER Angles			
" Angle on upper edge	24	24		" Bulb Plate for length			
" Average space	11	12	11	" Intercoastal Plate for length			
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	3 1/2	8 1/2	3 1/2	" Attached to outside Plating with Angle			
" Angle on upper edge	48	48		2 SIDE STRINGERS Angles			
" Average space	48	48		" Bulb or Plate above floors, for length			
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	3	12	" Intercoastal Plate for length			
" Angle on upper edge	24	24		" Attached to outside plating with Angle			
" Average space	24	24		Upper Deck Stringer Plates, br'dth & thickness	46 1/2	13	46 1/2
BEAMS, Hold or Orlop, Plate or Tee Bulb	7	3	8	" Angle on ditto	46 1/2	10	46 1/2
" Angle on upper edge	24	24		" Tie Plates fore and aft, Hatchways	One 7 1/2 in thickness		
" Average space	24	24		" Deck, Iron material, for whole length	7 1/2		
BEAMS, Bridge Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	7	3	8	" Wood Deck, Material and thickness	Corner plating at openings		
" Angle on upper edge	24	24		Middle Deck Stringer Plate, br'dth & thickness	70	10	70
" Average space	24	24		" Angles on ditto, No. 2	4 x 4	9	4 x 4
BEAMS, Forecastle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	9 1/2	9	9 1/2	" Tie Plates outside Hatchways			
" Angle on upper edge	3 1/2	8 1/2	3 1/2	" Diagonal Tie Plates on Engine Room			
" Average space	48	48		" Deck, Steel, for holds only	7		7
PILLARS, In 'tween Deck, size and spacing	3 1/2	8 1/2	3 1/2	" Wood Deck, Material and thickness			
" Hold	2 1/4	8 1/2	2 1/4	Lower Deck Stringer Plates, br'dth & thickness			
" Quarter 'tween Dks.	4	8 1/2	4	" Angles on ditto, No.			
" in Hold	4	8 1/2	4	" Tie Plates outside Hatchways			
WEB-FRAMES, In Fore Body, No. and spacing				" Deck, Material and thickness			
" br'dth. & thickness				Bridge Deck Stringer Plate, br'dth & thickness			
" No. of Side Stringers				" Angle on ditto			
WEB-FRAMES, In E. & B. Space, No. & spacing				" Tie Plates			
" br'dth. & thickness				" Deck, Material and thickness			
WEB-FRAMES, In After Body, No. and spacing				Forecastle Deck Stringer Plate, br'dth & thickness			
" br'dth. & thickness				" Angle on ditto			
" No. of Side Stringers				" Tie Plates			
" Size of Angles or Tee Bars to Web-Frames				" Deck, Material and thickness			
BRACKET PLATES to Stringers between Web Frames, depth and thickness							

PLATING. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. RIVETING. BUTTS.

STRAKES. AMIDSHIP. FORWARD. AFT. AMIDSHIP. Single or Double. Breadth of Leve. Rivets. Double or Treble and for what length. Rivets. Spacing or to cr. Straps. Thickness. If Lapped. For what Length.

FLAT PLATE KEEL. 36 19 12 12 36 19 Double 6 1 4 4R 1 3 1/2 14 2 1/2

OR A Strake. 40 13 11 11 40 13 5 7/8 3 1/2 3R 7/8 3 1/2 9

State actual thickness in way of Double Bottom.

DOUBLING OF Flat Plate Keel. Compensated for as approved. Doubled below stringer at ends of bridge.

POOP SIDES. 7 7 7

BRIDGE SIDES. 7 7 7

FORECASTLE SIDES. 7 7 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.?

Upper Deck Butts, treble riveted. Stringer Plate. Middle Deck Butts, treble riveted. Stringer Plate. Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted. Inner Bottom Plating, riveting of Edges. Centre Girder Butts, riveted. Keelson Butts, riveted. Frames, riveted through Plates with. Rivets, state whether Iron or Steel.

FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from.

MASTS, SPARS, &c.

LOWER MASTS. Fore. Main. Material. Total Length. Diameter and Thickness. Heel. Hounds. Head. No. of Plates in board. Angles. Riveting.

Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails.

EQUIPMENT No. 32044 LETTER W. ANCHORS.

Number of Certificate. Anchors. Weight, Ex. Stock. Weight of Cable. Test, per Certificate. Weight Required by Table 22. Description of Anchor. Makers. Where and when tested and Supplied.

CHAIN CABLES. HAWERS AND WARPS.

Number of Certificate. Fathoms. Size. Test per Certificate. Weight of Chain Cable. Fathoms and Size per Table 22. Description. Makers of Cables. When and where tested, and Superintendent. Material. Fathoms. Size. Breaking Test of Steel Wire Rope. Fathoms and Size per Table 22.

Boats. Pumps. Windlass. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers. Ceiling in Holds, thickness and material. Cargo Hatchways. State size No. 1 Hatch (Forward). Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. Bulkheads, height above deck and description. The above is a correct description. Builder's Signature. Surveyor's Signature. 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*)
1899 - Sep. 14 (m), 14 (m) Dec. 19 (E). 1900 Feb. 22 (m), May 1 (E), 8 (m), June 26 (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 facing 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.*

Have all the upper and weather decks been tested as required by the Rules (Sec. 28, par. 24)? *Yes* State results of tests. *Good*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes* State results of tests. *Good*

General Remarks (State quality of workmanship, &c.) *The workmanship is good and the vessel has been constructed in accordance with the approved plans (3 in No.) which together with our Foreing Report are attached hereto.*

The fore peak has been filled with water to height of load line & collision bulkhead found good. The tunnel has been tested by water & found good.

Vessel placed in dry dock, previous to completion, bottom cleaned & recast.

This is a similar vessel to the steamer "Dunbar" W. Hartlepool Report No. 11172, except that a lower deck has been laid & an iron frame division fixed.

*Drawings:
Hull Section
Profile
Pumping plan*

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *29* ft., B.D. Deck *98* ft., F'castle *34* 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) *Two decks (one iron, one steel), 2 tiers beams, & deep framing*

Official No. _____; 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 or with girders on floors *Cellular*

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>106</i>	<i>286</i>	Double bottom, forward,		
Double bottom, under Engines <i>& boilers</i>	<i>24</i>	<i>72</i>	After peak tank,		<i>53</i>
Double bottom, if under Engines only, <i>water-tight space under boilers</i>			Middle ship deep tank,		
Double bottom, if under Boilers only, <i>for 16 ft. net for water ballast</i>	<i>136</i>	<i>374½</i>	Other tanks, if used,		

(If necessary, furnish further information by sketch.) *See pumping plan*

* 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. *1785*

Date *15th Sept. 1899*

No. *610* in builder's yard.

DATES of Surveys held while building

1899 Dec. 16, 19, 22, 28. 1900 Jan. 8, 10, 16, 22, 29. Feb. 2, 8, 16, 23, 27. Mar. 3, 7, 12, 20, 24. Apr. 2, 6, 10, 12, 14. May 2, 5, 7, 10, 12, 17, 22, 29. June 2, 7, 20, 21, 22, 25, 26.

Total No. of Visits *40*

The amount of Entry Fee £ *5* : : Fees applied for, *29. 6. 1900*

Special Survey Fee £ *97* : *16* : Received by me, *30. 6. 1900*

Travelling Expenses, if any £ : : *As per*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *100A1* *Steel*

With, or without Freeboard, as condition of Class *34 ft. rule*

Certificate to be sent to *W. Hartlepool.*

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

Committee's Minute *TUES. 3 JUL 1900*

Character assigned *a.s.c.p. + 2 m/c 6,00*

100A1 Steel
L.V.