

3 Decks.

## IRON OR STEEL STEAMER.

Received at London Office.

WED. 21 SEP 1904

Date of completion of report

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

Survey held at

On the

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of Bridge House

Do. of Forecastle Round House

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

Tonnage for Fees

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam

THREE DECKED VESSEL.

CLASS 100 A

FEET.

Half Breadth (moulded)

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

(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule)

deduct 7 feet

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

Main Deck ditto

Destined Voyage

Master

Year of appointment

Built at

When built

By whom built

Owners

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port belonging to

No. 5791

Last Survey 17 September 1904

Rig Sch. 4 masts

G. H. Harris

Built at Belfast

When built 1904 Launched March 3<sup>rd</sup> 04

By whom built Harland &amp; Wolff Ltd.

Owners The Bibby Steam Ship Co Ltd

Managers

Residence Liverpool

Port belonging to Liverpool

Dimensions of Ship per Register, Length 452.3 breadth 54.35 depth 22.45 Moulded depth, ft. 34 ins. 0 1/2 To Upper Dk. Round of Upper Dk. Beam, Actual 9 ins.

## FRAMING.

	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule	Inches per Rule	20ths per Rule
FRAME, Angles, or Bars for 1/2 length amidships	4 x 3 1/2 x 3 1/2	12	4 x 3 1/2 x 3 1/2	12		
Do. for 1/2 at each end	4 x 3 1/2 x 3 1/2	12	4 x 3 1/2 x 3 1/2	12		
Do. in way of Double Bottoms at Solid Floors	3 1/2 x 3 1/2	10	3 1/2 x 3 1/2	10		
" " at intermdt. Bkts.	30		30			
Distance of Frames from moulding edge to moulding edge, all fore and aft	3 1/2	3 1/2	10	3 1/2	3 1/2	10
REVERSED FRAME, Angles	3 1/2	3 1/2	10	3 1/2	3 1/2	10
DEEP FRAMING, depth of girder						
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						
" " in way of Engines and Boilers						
" " thickness at the ends of vessel						
" " depth at 1/2 the half breadth, as per Rule						
" " height extended at the Bilges						
FLOORS & BRACKETS in Cell Dble Bottoms	30	10	30	10		
" " Distance apart	30		30			
CENTRE GIRDER, in Double bottom, depth and thickness	5 1/2	12	5 1/2	12		
" " Angles, Top	4	4	10	4	4	10
" " Bottom	4 1/2	4 1/2	14	4 1/2	4 1/2	14
SIDE GIRDERS, number on each side & thickness	2	10	2	10		
" " Angles	3 1/2	3 1/2	10	3 1/2	3 1/2	10
MARGIN PLATE, depth (exclusive of flange) and thickness	3 1/2	11	3 1/2	11		
" " Angles to Outside Plating	4	4	10	4	4	10
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	5 1/2	11	3 1/2	11		
" " in Engine and Boiler space	11 1/2	12	11 1/2	12		
" " Remainder in Holds	10 1/2	9	10 1/2	9		
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 x 3 1/2 x 3 1/2	10	8 x 3 1/2 x 3 1/2	10		
" " Angles on upper edge	30		30			
" " Average space	30		30			
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 x 3 1/2 x 3 1/2	11	8 x 3 1/2 x 3 1/2	11		
" " Angles on upper edge	30		30			
" " Average space	30		30			
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 x 3 1/2 x 3 1/2	11	8 x 3 1/2 x 3 1/2	11		
" " Angles on upper edge	30		30			
" " Average space	30		30			
BEAMS, Hold, or Orlop, Plate or Tee Bulb						
" " Angles on upper edge						
" " Average space						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	8 x 3 1/2 x 3 1/2	9	8 x 3 1/2 x 3 1/2	9		
" " Angles on upper edge	30		30			
" " Average space	30		30			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	8 x 3 1/2 x 3 1/2	10	8 x 3 1/2 x 3 1/2	10		
" " Angles on upper edge	30		30			
" " Average space	30		30			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	8 x 3 1/2 x 3 1/2	10	8 x 3 1/2 x 3 1/2	10		
" " Angles on upper edge	30		30			
" " Average space	30		30			
PILLARS, In 'tween Deck, size and spacing	3 1/2 x 3 1/2	60	3 1/2 x 3 1/2	60		
" " Hold	4 1/2	60	4 1/2	60		
" " Quarter 'tween Dks.,	3 1/2 x 3 1/2	120	3 1/2 x 3 1/2	120		
" " in Hold	4 1/2	120	4 1/2	120		
WEB-FRAMES, In Fore Body, No. and spacing	4 as p. plan	4 as p. plan	4 as p. plan	4 as p. plan		
" " brdth. & thickness	50	10	50	10		
" " No. of Side Stringers	2		2			
WEB-FRAMES, In E. & B. Space, No. & spacing	2	90	2	90		
" " brdth. & thickness	20	10	20	10		
WEB-FRAMES, In After Body, No. and spacing	3 as p. plan	3 as p. plan	3 as p. plan	3 as p. plan		
" " brdth. & thickness	50	10	50	10		
" " No. of Side Stringers	2		2			
" " Size of Angles or Tee Bars to Web-Frames	3 1/2	3 1/2	10	3 1/2	3 1/2	10
BRACKET PLATES to Stringers between Web Frames, depth and thickness	30	24	10	30	24	10

## FORGINGS OR CASTINGS.

	Inches in Ship	Inches per Rule
KEEL, Bar or Side Plates, depth and thickness	10 x 3	10 x 3
STEM, moulding and thickness	12 x 3 1/2	12 x 3 1/2
STERN-POST for Rudder do. do.	12 1/2 x 4 3/4	12 1/2 x 4 3/4
" " for Propeller	12 1/2 x 4 3/4	12 1/2 x 4 3/4
MAIN PIECE of Rudder, diameter at head	11 1/2	10 1/2
" " do. at heel	5 1/4	5 1/4
RUDDER, how constructed	Solid Cast Steel	
Can the Rudder be unshipped afloat?	Yes	

## KEELSONS &amp; STRINGERS.

	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule	Inches per Rule	20ths per Rule
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
" Rider Plate						
" Bulb Plate to Intercoastal Keelson						
" Horizontal Plates on Floors						
" Angles						
SIDE KEELSON, Angles						
" Bulb or Plate above floors, for	lng.					
" Intercoastal Plate, for	length					
" Attached to outside Plating with Angle						
BILGE KEELSON, Angles						
" Bulb or Plate above floors, for	lng.					
" Intercoastal Plate for	length					
" Attached to outside Plating with Angle						
BILGE STRINGER Angles	6 1/2	4 1/2	11	6 1/2	4 1/2	11
" Bulb Plate for	6 1/2	4 1/2	13	6 1/2	4 1/2	13
" Intercoastal Plate for	Entire	length	20	13		
" Attached to outside Plating with Angle	4	4	11	4	4	11
SIDE STRINGER Angles	6 1/2	4 1/2	11	6 1/2	4 1/2	11
" Bulb or Intercoastal Plate, for	Entire	lng.	6 1/2	4 1/2	13	
" Attached to outside plating with Angle	20	4	13	4	13	
Upper Deck Stringer Plates, br'dth & thickness	36	18	36	18		
" Angle on ditto	38	10	38	10		
" Tie Plates fore and aft, outside Hatchways	5	18	5	18		
" Deck, * Iron or Steel, for	Entire	lng.	3 1/2	9		
" Wood Deck, Material & thickness	P. Pine		3 1/2	9		
Middle Deck Stringer Plate, br'dth & thickness	36	12	36	12		
" Angles on ditto, No. 2	40	11	40	11		
" Tie Plates outside Hatchways	4 x 4	10	4 x 4	10		
" Diagonal Tie Plates on Dms, No. of prs.						
" Deck, * Iron or Steel, for	Entire	lng.	9			
" Wood Deck, Material & thickness			9			
Lower Deck Stringer Plate, br'dth & thickness	54	10	54	10		
" Angles on ditto, No. 2	4 x 4	9	4 x 4	9		
" Tie Plates, outside Hatchways						
" Deck, * Material and thickness	Steel		7			
Hold, or Orlop Stringer Plate, br'dth & thckn's						
" Angles on ditto, No.						
" Tie Plates outside Hatchways						
" Deck, Material and thickness						
Poop Deck Stringer Plate, breadth & thickness	40	2	38	2		
" Angle on ditto	Channel	9 x 3 x 3	10	3 1/2 x 3 1/2	2	
" Tie Plates	3/4 width in centre		7	18	2	
" Deck, Material and thickness	P. Pine		3			
Bridge Deck Stringer Plate, br'dth & thickness	46	10	45	9		
" Angle on ditto	Channel	9 x 3 1/2 x 3 1/2	10	3 1/2 x 3 1/2	9	
" Tie Plates				18	9	
" Deck, Material and thickness	Oak		3	3		
Forecastle Deck Stringer Plate, br'dth & th'kns	40	2	38	2		
" Angle on ditto				3 1/2 x 3 1/2	2	
" Tie Plates	3/4 width in centre		6	18	2	
" Deck, Material and thickness	P. Pine		3			

BULKHEADS.	Number.		Thickness.	STIFFENERS.		Single or Double Frames.	Height up.
	In Vessel.	Per Rule.		Horizontal.	Vertical.		
W. T. BULKHEADS	4	4	1/2	1/2	1/2		
PARTITION							
LONGITUDINAL							
Are the outside Plates doubled two spaces of Frames in length?	No.						
Are the Stiffeners and Watertight Doors in efficient working order?	Yes						



PLATING. RIVETING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. MANUFACTURER'S name or trade mark of the Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. REVERSED FRAMES on floors and frames extend from before and abaft channel frames to M. & U. dks att<sup>n</sup>, all to U. dks abaft A. peak bulkhead, and alternate reverse bars to Newcastle deck. MASTS, SPARS, &c. EQUIPMENT No. 60815 LETTER C.F. ANCHORS. CHAIN CABLES. HAWSERS AND WARPS. Boats 2 Steel Life boats, 2 Wood Life boats and 2 Cutters, 12 in all. Pumps, Number 6 x 1-3" forepeak. Windlass is Wilson's Patent Steam. Engine Room Skylights. How constructed? of plates and angles on top of casing above Bridge deck. Coal Bunker Openings. How constructed? Side Ports. How are lids secured? Bolts & nuts. Height above deck? 4' 6" x 16" steel. Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 4 Scuppers each side in 7' well & 3 on side in after well. Ceiling in Holds, thickness and material 2 1/2" Pine Outside Margins Ceiling 2" wood Decks, thickness and material 6" x 2" spruce. Cargo Hatchways. How formed? of plates and angles. State size No. 1 Hatch (Forward) 12' 6" x 16' 0" No. 2 Hatch 22' 6" x 16' 0" No. 3 Hatch 16' 0" x 16' 0" No. 4 Hatch 11' 3" x 16' 0" Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 1 Shifting beam in No. 1, 4 and 6; 2 webs in No. 2; 1 web in No. 3 & 4, and 3 fore & afters in all. No. of Breasthooks 6 deep floors No. of Crutches 5 deep floors Bulwarks, height above deck and description 4' 6" x 16" steel Main Rail, material and size 6 1/2" x 3 1/4" x 5" Bull angle & cope combined. The above is a correct description. Builder's Signature (here only) J. A. M. Carver. Surveyor's Signature James Furpin. 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). M. 8. 11. 02 6. 1. 03 11. 8. 03. Workmanship. Are the butts of plating planed or otherwise fitted? planed where butted but mostly overlapped. 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? 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. 23, par. 24)? Yes. State results of tests. Satisfactory. Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Yes. State results of tests. Satisfactory. General Remarks (State quality of workmanship, &c.) This vessel has been built under Special Survey, in accordance with the Rules, the approved Plans and the Secretary's letters given above. The workmanship and materials are good throughout. Before leaving, one 15 fms length of Cable and one bower anchor were found to be slightly defective; the length of Cable was sent to the Makers, repaired, retested and a new certificate for same issued; the original certificate to which this length of cable was noted, has been endorsed accordingly. The bower anchor was renewed. A new slip embracing these alterations has been attached hereto. PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 50 ft., R.Q.D. or Break — ft., Bridge Dk 222 1/2 ft., F' castle 62.8 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. Not joined. 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) 3 Dks (Stl) 3 to 10. (Upper Dk w.s. Main Dk partly w.s.) Official No. 118126; Signal Letters H.B.F.Q. 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. Yes. The amount of Entry Fee £ 5:0:0. Special Survey Fee £ 195:12:6. Travelling Expenses, if any £ —. State whether the Vessel has been built under Special Survey. Yes. I am of opinion this Vessel should be Classed 100 A-1 Steel. With, or without Freeboard, as condition of Class Without. Committee's Minute Character assigned 100 A-1 (Steel). Lloyd's a & b. P. + L.M.B. 904. Elec. light. W743-0101 (2002)