

1 or 2 Dks, R. Q. Dk,  
and Pt. Awng. Dk.

# IRON OR STEEL STEAMER.

No. 22442  
10 MAY 1910

State of Report is also sent on the Machinery of the Vessel. *M. R. H. 6199*  
Date of completion of Report *9th May 1910.*  
Date, First Survey *Dec 15/09*

Received at London Office,  
Port of Hull  
Last Survey *May 6th 1910*  
Rig *✓*

Survey held at *Hessle*  
On the *St. Serv. Lighter "GCR-A."*  
TONNAGE under  
Tonnage Deck... *106.29*  
Do. of Poop  
Do. of Raised Qr.  
Do. or Break...  
Do. of Bridge House  
Do. of Forecastle  
Do. of Houses on Deck  
Do. of excess of Hatchways  
Do. above Crown of  
Engine Room...  
Gross Tonnage... *119.02*  
Less Crew Space  
Less above Crown of  
Engine Room...  
Tonnage for Fees...  
Engine Room... *51.78*  
Navigation Spaces

ONE OR TWO DECKED VESSEL.  
CLASS A-*"Lighter for Harbour purposes only."*  
Half Breadth (moulded) ..... *9.25*  
Depth from upper part of Keel to top of Main Deck Bms.  
(with the normal round up of beam) ..... *10.38*  
Girth of Half Midship Frame (as per Rule) ..... *17.45*  
1st Number ..... *34.38*  
Length on deck from after part of stem to fore part of  
stern post ..... *46.50*  
2nd Number ..... *2846*  
Proportions—Breadths to Length ..... *4.13*  
Depths to Length—Main Deck to top of Keel ..... *7.37*  
Destined Voyage *Grimsby*

Master *✓*  
Year of appointment  
Built at *Hessle*  
When built *1910* Launched *11th April.*  
By whom built *Henry Dean*  
Owners *Great Central Railway*  
Managers  
(Where necessary to be entered in Reg. Book.)  
Residence *Grimsby.*  
Port belonging to *Grimsby.*  
If Surveyed while Building, Afloat, or in Dry Dock *Yes*

Length on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flat laid	No. of Tiers of Beams
<i>76</i>	<i>6</i>		<i>18</i>	<i>6</i>		<i>9</i>	<i>5</i>		<i>One</i>	<i>One</i>

Dimensions of Ship per Register, Length, *47.6* breadth, *15.6* depth, *9.2* Moulded Depth, *10* ft. *0* ins. Round of Beam, Actual *6* ins.

FRAMING.					
NAME, Angles, E or L Bars, for 1/2 length amidships	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as	Inches per Rule Or as
Do. for 1/2 at each end	<i>3</i>	<i>2 1/2</i>	<i>5</i>	<i>3</i>	<i>2 1/2</i>
Do. in way of Double Bottoms at Solid Floors					
Do. at intermdt. Bkts.					
Spacing of Frames from centre to centre	<i>15"</i>	<i>21</i>	<i>1</i>	<i>15</i>	<i>21</i>
REVERSED FRAME, Angles	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>2 1/2</i>	<i>2 1/2</i>
DECK FRAMING, depth of girder					
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	<i>13</i>		<i>5</i>	<i>13</i>	<i>5</i>
Do. in way of Engines and Boilers	<i>E L B 7</i>				<i>6.7</i>
Do. thickness at the ends of vessel			<i>5</i>		<i>5</i>
Do. depth at 1/2 the half breadth, as per Rule					
Do. height extended at the Bilges					
DOORS & BRACKETS, in Cell Dble Bottoms					
Do. state if flanged (top & bottom)					
Do. Spacing					
CENTRE GIRDER, in Double Bottom, depth and thickness					
Do. Angles, Top					
Do. Bottom					
DECK GIRDERS, number on each side & thickness					
Do. state if flanged (top & bottom)					
Do. Angles					
DECK PLATE, depth (exclusive of flange) and thickness					
Do. Angles to Outside Plating					
Do. Floors					
Do. Height of Floors at the Bilges					
DECK BOTTOM PLATING, breadth and thickness of Middle Line Strake					
Do. thickness in Engine and Boiler space					
Do. Remainder in Holds					
DECK, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>3 1/2</i>	<i>2 1/2</i>	<i>6</i>	<i>3 1/2</i>	<i>2 1/2</i>
Do. Angles on Upper Edge	<i>3</i>	<i>2 1/2</i>	<i>6</i>	<i>3</i>	<i>2 1/2</i>
Do. Spacing	<i>21</i>		<i>1</i>	<i>21</i>	
DECK, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb					
Do. Angles on Upper Edge					
Do. Spacing					
DECK, Hold, Plate or Tee Bulb					
Do. Angles on Upper Edge					
Do. Spacing					
DECK, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb					
Do. Angles on Upper Edge					
Do. Spacing					
DECK, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb					
Do. Angles on Upper Edge					
Do. Spacing					
DECK, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb					
Do. Angles on Upper Edge					
Do. Spacing					
DECK, In 'tween Decks, Size and Spacing					
Do. Hold					
Do. Quarter, 'tween Dks.					
Do. in Hold					
WEB FRAMES, In Fore Body, No. and Spacing					
Do. Brdth. & Thickness					
Do. No. of Side Stringers					
WEB FRAMES, In E. & B. Space, No. & Spacing					
Do. Brdth. & Thickness					
WEB FRAMES, In After Body, No. and Spacing					
Do. Brdth. & Thickness					
Do. No. of Side Stringers					
Do. Size of Angles or Tee Bars to Web Frames					
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness					

FORGINGS AND CASTINGS.			Inches in Ship.		Inches per Rule. Or as Approved.	
KEEL, Bar or Side Plates depth and thickness			6 x 1 1/2		6 x 1 1/2	
STEM, moulding and thickness			5 1/2 x 1 1/2		5 1/2 x 1 1/2	
STERN-POST for Rudder do. do.			5 1/4 x 2 1/4		5 1/4 x 2 1/4	
"    for Propeller			3 1/2		3 1/2	
MAIN PIECE of Rudder, diameter at head			2 1/2 x 2		2 1/2 x 2	
do.    at heel						
RUDDER, how constructed	Forged iron frame. 2 plates					
Can the Rudder be unshipped afloat?	Yes.					

KEELSONS AND STRINGERS.			Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule.
CENTRE LINE KEELSON, Vertical Plates above floors, Through Plates, or Intercoastal Plate					5			5
"    Rider Plate								
"    Bulb Plate to Intercoastal Keelson								
"    Horizontal Plates on Floors								
"    Angles	9	5 1/2	10	9	5 1/2	10		
SIDE KEELSON, Angles								
"    Bulb or Plate above floors for length								
"    Intercoastal Plate for length								
"    Attached to outside plating with Angle								
BILGE KEELSON, Angles			6	3	8	6	3	8
"    Bulb or Plate above floors for length								
"    Intercoastal Plate for length								
"    Attached to outside plating with Angle								
BILGE STRINGER Angles								
"    Bulb Plate for length								
"    Intercoastal Plate for length								
"    Attached to outside plating with Angle								
SIDE STRINGER Angles								
"    Bulb or Intercoastal Plate for length								
"    Attached to outside plating with Angle								

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	2 in plan	5 1/2		5 1/2
"    Angle on ditto	2 1/2 x 2 1/2	5 1/2	2 1/2 x 2 1/2	9 1/2
"    Tie Plates, outside Hatchways				
"    Diagonal Tie Plates on Bms., No. of Pairs				
"    Main Dk* Iron or Steel for full length		5		5
"    R. Q. Dk* Iron or Steel for full length				
"    Wood Deck, Material & thickness				
Lower Deck Stringer Plate, breadth and thickness				
"    Angles on ditto, No.				
"    Tie Plates, outside Hatchways				
"    Deck* Material and thickness				
Hold Stringer Plate				
"    Angles on ditto, No.				
Poop Deck Stringer Plate, breadth & thickness				
"    Angle on ditto				
"    Tie Plates				
"    Deck, Material and thickness				
Bridge or Pt. Awning Deck Stringer Plate, breadth and thickness				
"    Angle on ditto				
"    Tie Plates				
"    Deck, Material and thickness				
Forecastle Deck Stringer Plate, breadth & thickness				
"    Angle on ditto				
"    Tie Plates				
"    Deck, Material and thickness				

\* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

BULKHEADS.		STIFFENERS.		Single or Double Frames.		Height up	
In Vessel.	Per Rule.	Horizontal.	Vertical.	Size.	Spacing.	Size.	Spacing.
W.T. BULKHEADS	<i>1</i>	<i>1</i>	<i>5</i>	<i>2 1/2 x 2 1/2</i>	<i>5/16</i>	<i>48</i>	<i>30</i>
PARTITION	<i>1</i>	<i>1</i>	<i>5</i>	<i>2 1/2 x 2 1/2</i>	<i>5/16</i>	<i>48</i>	<i>30</i>
LONGITUDINAL, A watertight compartment fitted for ship's stability							
Are the outside Plates doubled two spaces of Frames in length? <i>Diagonal plates fitted.</i>							
Are the Sluice Valves and Watertight Doors in efficient working order? <i>None.</i>							



PLATING.										RIVETING.											
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.						
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.		RIVETS.		Double or Treble and for what Length.		RIVETS.		STRAKES.		IF LAPPED.	
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	Thickness.	For what Length.	
FLAT PLATE KEEL	36	7	7	7	7	7	7	7	7	Double	4 1/2	3/4	3	Double	3/4	2 1/2			5	Full	
GARBOARD OF A STRAKE	36	7	7	7	7	7	7	7	7	Double	4 1/2	3/4	3	Double	3/4	2 1/2			5	Full	
State actual thickness in way of Double Bottom.																					
B																					
C																					
D																					
E																					
F																					
G																					
H																					
J																					
K																					
L																					
M																					
N																					
O																					
P																					
DOUBLING OF FLAT PLATE KEEL																					
Length and thickness of Bilges																					
Length and thickness of Sheerstrakes																					
Length and thickness of Strake below																					
POOP SIDES																					
RAISED QUARTER DECK SIDES																					
BRIDGE SIDES																					
FORECASTLE SIDES																					
LENGTHS OF PLATING	12 to 15 ft.																				

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, outside Plating, &c. *Connell's Mild Steel*

Has the Steel been tested as required by the Rules *Yes*

FRAMES extend in one length from *Keel* to *gunwale* state if ordinary or joggled *Ordinary*

REVERSED FRAMES on floors and frames extend from *center to upper turn of bilge* state if ordinary or joggled *Ordinary*

MASTS, SPARS, &c.

LOWER MASTS.	Fore	Main	Mizen	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
				At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Bowsprit												
Topmasts, Yards and Remainder of Spars												
Rigging, Material and Size, Shrouds												
Sails												

Equipment No. *Letter* Tonnage U.Dk. or Plating No. for Trawlers *✓*

Number of Certificate.	Anchors.	WEIGHT, EX STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
1st Bower										
2nd "										
3rd "										
Collective weight										
Stream										
Kedge										

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.		Description.	Makers of Cables.	Where and when tested and Superintendent.
		Stress.	Break.	Supplied.	Per Table 22.	Length.	Diam.			

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Test per Certificate.		Length & Size per Table 22.		Description.	Makers of Cables.	Where and when tested and Superintendent.
		Stress.	Break.	Supplied.	Per Table 22.			

Boats *None*

Pumps, Number *Two* Diameter of Barrel *4"* State whether they are in efficient working order *Yes*

Windlass is by *Emerson Walker Ltd.* Capstan *✓*

Engine Room Skylights.—How constructed? *Carroll Skylight*

What arrangements for deadlights in bad weather? *Steel flaps and bullseyes*

Coal Bunker Openings.—How constructed? *Cast iron rings* How are lids secured? *Screwed* Height above deck? *1 ft.*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *None*

Ceiling in Holds, thickness and material *2 1/2" pine* Cargo Battens, thickness and material *2" pine close ceiling*

Cargo Hatchways.—How formed? *Plates and angles* Hatches.—If strong and efficient? *None*

State size No. 1 Hatch (Forward) *33-6 x 12-10* No. 2 Hatch *✓* No. 3 Hatch *✓* No. 4 Hatch *✓*

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

No. of Breasthooks *Two* No. of Crutches *One + dup floor*

Bulwarks, height above deck and description *None* Main Rail and Stays, material and size *None*

The above is a correct description.

Builder's Signature (here only) *Henry Scarr* Surveyor's Signature *Allison B. Wilson*

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 the case)

(M.) 3.12.09

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 the 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. 23, par 24)? *Yes* State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par 25)? *None* State results of tests

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

*This vessel has been built in accordance with the approved plans. The Secretary's letters of the above dates and in general conformity to the Rules for the class contemplated.*

Accompanying this Report. One plan showing Midship Section, Profile and Deck. and Report on Ships Joinings

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. or Break *✓* ft., Bridge Dk. *✓* ft., F'castle *✓* ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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) *10k. (all)*

Official No. *✓*; Signal Letters *✓* State if Machinery is fitted aft *Yes*

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 or with girders on floors *✓*

Where fitted.	*Length.		Water Capacity.	Where fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,				Fore peak tank,			
Double bottom, under Engines and Boilers,				After peak tank,			
Double bottom, if under Engines only,				Deep tank, aft,			
Double bottom, if under Boilers only,				Deep tank, forward,			
Double bottom, forward,				Other tanks, if fitted,			

Total capacity of double bottom *✓* (If necessary, furnish further information by sketch.)

\* 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 *✓*

Order for Special Survey No. *1818*

Date *31-12-09*

No. *199* in builder's yard

Dates of Surveys held while building *1909: Dec. 15, 1910: Jan. 13, Feb. 11, Mar. 11, Apr. 5, 15, 19, May 2, 6.*

Total No. of Visits *10*

The amount of Entry Fee *1 : 0 : 0* Fees applied for, *9.5-1910*

Special *7 : 0 : 0* Received by me, *12/5/10*

Travelling Expenses, if any £ *- : 18 : 8*

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

I am of opinion this Vessel should be Classed *A-1* Lighter, for Harbour purposes only. *Allison B. Wilson*

With, or without Freeboard, as condition of Class *Without* Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *FRI. 13 MAY 1910*

Character assigned *A-1*

*Lighter for Harbour purposes only*

*Miss Hall*

*21st Dec. 1910*

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