

Received at London Office. **ERI 22 APR 1910**

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

[illegible]



PLATING.								RIVETING.																			
				AS IN SHIP.				PER RULE OR AS APPROVED.				EDGES Ordinary or Joggled?				BUTTS.											
STRAKES.				AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.		Breadth of Lap.		RIVETS.		Double or Treble and for what Length.		RIVETS.		SEAMS.		IF LAPPED.			
				Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Inches.	Diam.	Spacing cr. to cr.	Inches.	Diam.	Spacing cr. to cr.	Inches.	Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.			
				Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Feet.			
FLAT PLATE KEEL				48	.82	.66	.66	48	.82	.66	.66	Double	6	1	3 7/8	Quad	1	4						14	full		
(If Bar Keel, state Riveting.)																											
GARBOARD OR A STRAKE				66 1/2	.60	.60	.50	66 1/2	.60	.60	.50		5 1/4	7/8	3 3/4		7/8	3 3/4						12	"		
State actual thickness in way of Double Bottom.																											
B "				67 1/2	.56	.56	.50	67 1/2	.56	.56	.50																
C "				68	.56	.56	.50	68	.56	.56	.50																
D "				68	.60	.46	.52	68	.60	.46	.52																
E "				67 1/2	.60	.46	.46	67 1/2	.60	.46	.46																
F "				70	.58	.44	.44	70	.58	.44	.44																
G "				67	.62	.44	.44	67	.62	.44	.44																
H "				66 1/2	.62	.44	.44	66 1/2	.62	.44	.44																
J "				66 1/2	.62	.44	.44	66 1/2	.62	.44	.44																
K "				58 1/2	.58	.44	.44	58 1/2	.58	.44	.44																
Bridge Deck Sheerstrake				81	.60			81	.60																		
M "																											
N "																											
O "																											
P "																											
Q "																											
R "																											
S "																											
DOUBLING OF FLAT PLATE KEEL																											
Sheerstrakes				Doubled full width at ends of Bridge Sheerstrake in Hells .82, Strake below .68																							
Length and thickness.				23' 8" x .68																							
POOP SIDES							.36		.36	Single	3	3/4	3"	Treble	3/4	2 7/8							7 1/2	full			
SHORT BRIDGE SIDES																											
FORECASTLE SIDES						.40			.40							Double								5			
*Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.																											
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. ? Open Hearth Basic or Acid.														Upper Deck Butts, riveted for full length amidship.													
Convett, Palmers, South Durham, Bolton & Norman Long.														Stringer Plate Straps, single, double or overlapped for full length amidship.													
														Second Deck Butts, riveted for full length amidship.													
														Stringer Plate Straps, single or overlapped for full length amidship.													
														Butts of Side Stringers Treble riveted.													
														Tie Plates Treble riveted.													
														Inner Bottom Plating, riveting of Edges Double Rivet Butts Double Rivet.													
														Centre Girder Butts, Treble riveted Keelson Butts, riveted.													
														Frames, riveted through Plates with 7/8 in. Rivets, about 6 dia apart.													
														Rivets, state whether Iron or Steel Iron.													
Has the Steel been tested as required by the Rules? Yes.																											
FRAMES extend in one length from Margin Plate to Gunwale														State if ordinary or joggled Ordinary													
REVERSED FRAMES on floors and frames extend																											



Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) *E 22.9.09.*

*1909*  
*July 23. 26. 29 Aug 3. Oct 5. 11. 30 1910 April 4 & 7.*

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.*

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

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. 26, par. 20)? *Yes.*

State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes.*

State results of tests *Satisfactory*

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

*This vessel has been built under the rules now in force (See copy of Builders letter attached), the approved plans (7 in N<sup>o</sup>) forwarded herewith, the Secretary's letters of the above dates & in other respects in general conformity with the Society's regulations. Steam steering gear is fitted in house at after end of engine room & connected to quadrant by rods, chains & buffer springs and controlled from Bridge by rods & bevel wheels. Hand Steering Gear is fitted to rudder head on Poop Deck. Deck stops fitted to receive quadrant. Steam & Hand Steering Gear & Windlass tested & proved efficient. Tunnel tested per rule. Freeboards assigned marked on vessels sides & verified. A Profile & Section of the vessel as built are forwarded with this report. Sister vessels:— S. S. Benwood, Yard N<sup>o</sup> 137, Holt F.E. Rpt N<sup>o</sup> 6081  
*N. B.* S. S. Benbrook, " " 138 " " 6128  
*Please return plans for dealing with sister vessel now building.*  
*2 Forging Reports.* The Surveyor should state the Number of Report and Name of any Sister Vessel.*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *44.08* ft., R.Q.D. — ft., Bridge *105* ft., Forecastle *30.87* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated — *The Poop & Bridge are 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) *1 Deck (Steel)*

Official No. *128037*; Signal Letters *✓*

State if Machinery is fitted aft *No.*

How are the surfaces preserved from oxidation? Inside *Paint & Cement*

Outside *Paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *Cell. N. B.*

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>110.5</i>	<i>417</i>	Fore peak tank,		<i>149</i>
Double bottom, under Engines and Boilers,	<i>38.25</i>	<i>149</i>	After peak tank,		<i>98</i>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<i>146.62</i>	<i>570</i>	Other tanks, if fitted,		
Total capacity of double bottom		<i>1136</i>	(If necessary, furnish further information by sketch.)		<i>✓</i>

\* 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. Satisfactory*

Order for Special Survey No. *798*

Date *6<sup>th</sup> Aug 1909*

No. *139* in builder's yard.

DATES OF SURVEYS  
held while building

*1909 Aug 6. 13. 24 Sept. 3. 8. 14. 16. 20. 28. 28. 30 Oct. 5. 14. 25. 28 Nov. 3. 10. 12. 25 Dec. 3. 7. 8. 15*  
*1910 Jan. 5. 11. 13. 14. 17. 18. 20. 21 Feb. 1. 3. 5. 8. 9. 11. 15. 16. 17. 22. 23. 24 Mar. 2. 8. 10. 11 Apr. 1. 5. 6. 8. 9. 13*

Total No. of Visits *58*

The amount of Entry Fee . . . . . *5 : 0 : 0*  
Special Survey Fee . . . . . *118 : 14 : 0*  
Travelling Expenses, if any £ : : *16. 4. 1910*

Fees applied for,

Received by me,

Certificate to be sent to *Middlesbrough Office*

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

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

With or without Freeboard, as condition of Class

*Wm L. Gilman*  
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Character assigned

*100 A1*

*100 A1*

*Lloyd's Arb. P.*

*+ W. M. 4, 10*

*write Sd. W*



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