

No.	Description		When made	Where fixed
Made at	By whom made			
Working pressure	tested by hydraulic pressure to	Date of test	No. of Certificate	Fire grate area
Valves	No. of Safety Valves	Area of each	Pressure to which they are adjusted	Date of adjustment
If fitted with easing gear	If steam from main boilers can enter the donkey boiler	Dia. of donkey boiler		Length
Material of shell plates	Thickness	Range of tensile strength	Descrip. of riveting long. seams	
Dia. of rivet holes	Whether punched or drilled	Pitch of rivets	Lap of plating	Per centage of strength of joint
Working pressure of shell by rules	Thickness of shell crown plates	Radius of do.	No. of stays to do.	Dia. of stays
Diameter of furnace Top	Bottom	Length of furnace	Thickness of furnace plates	Description of joint
Working pressure of furnace by rules	Thickness of furnace crown plates	Stayed by		
Diameter of uptake	Thickness of uptake plates	Thickness of water tubes	Dates of survey	
SPARE GEAR. State the articles supplied :— In accordance with the Rules				

FOR THE WALLSEND SLIPWAY & ENGINEERING CO., LIMITED.

Manufacturer.

SECRETARY

		1907	1908
Dates of Survey while building	During progress of work in shops - -	Feb 25, 26 March 6, 9, 21, 25, 26 April 4, 9, 25. May 2. June 3 rd July 4. Aug 12. Nov 16, 13.	June 1 st June 6, 15
	During erection on board vessel - -	1910 June 21, 24, 26, 28, 29. Feb 4, 8, 9, 19, 24. Mar. 1, 3, 4, 15. June 27. July 19.	
	Total No. of visits	235	
		Is the approved plan of main boiler forwarded herewith <u>Yes</u> ✓	

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders $\frac{21.22}{3.07}$ Slides 22.507 Covers $\frac{21.22}{3.07}$ Pistons $\frac{21.22}{3.07}$ Rods $\frac{21.31}{25.31}$ " " " donkey " " 12 F. 11

Stern tube 25.8.07 Steam pipes tested 29/2/10 Engine and boiler seatings 25/1/10 Engines holding down bolts 24/2/10

Completion of pumping arrangements 4/3/10 Boilers fixed 4/3/10 Engines tried under steam 4/3/10
 Port Center Star

Main boiler safety valves adjusted 4/3/00 Thickness of adjusting washers $P \frac{1}{8} S \frac{3}{8}$ $P \frac{3}{8} S \frac{3}{8}$ $P \frac{1}{8} S \frac{3}{8}$

Material of Crank shaft *S* Identification Mark on Do. *B. J. F.* Material of Thrust shaft *S* Identification Mark on Do. *B. J. F.*

Material of Tunnel shafts *S.* Identification Marks on Do. *R.IIF* Material of Screw shafts *S* Identification Marks on Do. *R.IIF*

Material of Steam Pipes Iron ✓ Test pressure 300 lbs ✓

General Remarks (State quality of workmanship, opinions as to class, &c.)

The machinery and boilers for this vessel have been examined during construction in the factory. Materials and workmanship satisfactory; they have been well fitted on board and tried under steam.

In our opinion this machinery is now eligible to have notation
+ LMC 8.11 - - in the Register Book ✓

It is submitted that
this vessel is eligible for
THE RECORD + LMC 8.11.

FD.

The amount of Entry Fee	£ 3	:	0	:	0	When applied for,
Special	£ 47	:	16	:	0	1911
Donkey Boiler Fee	£	:		:		When received,
Travelling Expenses (if any)	£	:		:		1911

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

Committee's Minute

TUE. AUG. 22. 1911

Assigned

+ June 8. 11

MACHINERY CERTIFICATE
WRITTEN.

Lloyd's Register
Foundation