

# Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office)

Date of writing Report 9<sup>th</sup> March 96 When handed in at Local Office 9/21 1896 Port of London

No. in Reg. Book 101 Survey held at London Date, First Survey 29<sup>th</sup> Febr'y Last Survey 7<sup>th</sup> March 1896

on the Machinery of the Wood Iron or Steel S.S. "Harlington" Master J.R. Hardy

Tonnage { Gross 1037 Net 627 Vessel built at Sunderland By whom S.P. Austin & Son When 1895 YEAR. MONTH. 5

Registered Horse Power 138 Engines made at Do When 1895 Boilers, when made (Main) 1895 (Donkey) 1895

No. of Main Boilers one Owners P. & O. S. N. Co. Port London Voyage Middlesbrough

No. of Donkey Boilers one If Surveyed Afloat or in Dry Dock Royal Albert Dock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Steam Pressure in Main Boilers 160 in Donkey Boilers 90

Last Survey No. \_\_\_\_\_ Port \_\_\_\_\_ Condition of Main Boiler

Particulars of Examination and Repairs (if any) Main Boiler

(Periodical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.)

CHARACTER. * for Special Survey. Date of last Survey and of Periodical Surveys.	Years Assigned and expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>100 A 1</u> <u>1. 96</u>		<u>L.M.C. 5. 95</u>

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Outside of Mn. Br. eses.

Do. " Donkey " " " No.

If this was not done, state for what reasons? Not due for survey.

And what parts of the Boilers could not be thus thoroughly examined? ✓

Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler? ✓

Did the Surveyor examine the Safety Valves of the Main Boiler? No

At what pressure were they afterwards adjusted under steam? Not adjusted

Did the Surveyor examine the Safety Valves of Donkey Boiler? No

To what pressure were they afterwards adjusted? Not adjusted

Has the propeller shaft been drawn and examined at this time? No.

If the Survey is not complete state what arrangements have been made for its completion? Complete.

At request of the representative of the P. & O. Co. examined the rivetting of the circumferential seams of the Main boiler and found several rivets in the centre and after circumferential seams leaking at the heads of the rivets, and also several rivets slightly slack - the holes, so far as examined with rivets removed, being fair. The caulking of the seams was perfect and no leaks were observed in the rivets or caulking of the front circumferential seam. The defective rivets in the centre & after seams (thirty-two in each seam) were removed and new rivets fitted, the boiler was examined under steam and found tight and efficient.

General Observations, Opinion, and Recommendation:— This vessel's Main boiler, so far as seen, is in safe working condition and eligible, in my opinion, to remain as classed, without further record of survey.

Office or Registration Fee (per Sec. 27).....	£	:	:	Fees applied for
Survey Fee (per Section 28).....	£	:	:	
Special Damage Fee (per Section 28).....	£	:	:	
Travelling Expenses (if chargeable).....	£	:	:	
				Received by me,
				18

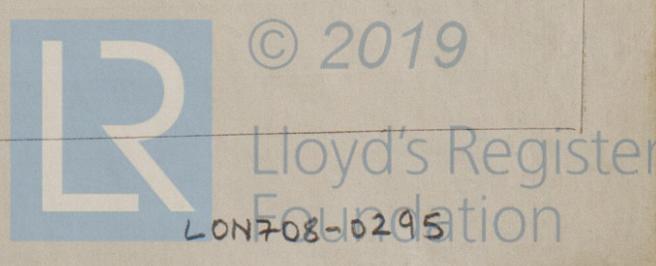
R. Elliott  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

State if Certificate is required \_\_\_\_\_

TUES, APL 7 1896

Committee's Minute \_\_\_\_\_

Assigned As not



State if a Repair is not complete, one will be sent.

14-1121H-Report No. 9-Transfer Link-5,000, 3, 1, 10.

The Surveyors are requested not to write on or below the space for Committee's Minute.

Insert Character of Ship and Machinery precisely as in the Register Book.

Among 6 rivets in circumferential seams of Main Boiler  
leaking, Sixty four of these rivets have been renewed.

N.B.—If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or cause it to show through to the other side.

It is submitted that  
this vessel is eligible to  
remain **AS CLASSED.**

P.M.S.  
2-4-96.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



© 2019

Lloyd's Register  
Foundation