

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

(Received at London Office)

Date of writing Report 15<sup>th</sup> March 95 When handed in at Local Office Port of London  
 No. in Reg. Book 460 Survey held at London Date First Survey Mar. 11<sup>th</sup> Last Survey 15<sup>th</sup> March 95  
 on the Machinery of the Wood, Iron or Steel S.S. "Port Darwin" Master W. S. Waley  
 Tonnage Gross 2517 Net 1628 Vessel built at Newcastle By whom A. Leslie & Co. When 1884 YEAR. MONTH. 2  
 Registered Horse Power 350 Engines made at Do. When 1884 Boilers, when made (Main) 1884 (Donkey) 1884  
 No. of Main Boilers Two Owners A. Cooke & G. A. Ridley Port London Voyage River Plate  
 No. of Donkey Boilers one If Surveyed Afloat on in Dry Dock Royal Albert Dock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements)  
 Steam Pressure in Main Boilers 90  
 in Donkey Boilers 50

Last Survey No. 12 Port B.A.  
 Particulars of Examination and Repairs (if any) Part B.S.

CHARACTER. For Special Survey. Date of last Survey and of Periodical Surveys.	Years Assigned how many retained.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>*100 A1. Spark. 4.94 S.S. Ant. 11-2-93</u>		<u>B.S. 4.94 T.M.C. 1.93</u>

(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.)

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes.  
 Do. " Donkey " " " " No.  
 If this was not done, state for what reasons? S.B. under steam while in port.  
 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? Yes.  
 At what pressure were they afterwards adjusted under steam? 95 lbs.  
 Did the Surveyor examine the Safety Valves of Donkey Boiler? No.  
 To what pressure were they afterwards adjusted? Not adjusted

If the Survey is not complete state what arrangements have been made for its completion? On vessel's return 3 1/4 months hence.  
The two main boilers were examined internally & externally. Holes were bored in the furnaces, where fitted, along line of fire bars; in the backs & bottoms of combustion chambers and the average thickness of furnaces found to be 3/8" instead of 17/32" as original, the pressure was reduced from 100 lbs to 90 lbs.  
Repairs on account of wear & tear - One patch in Centre furnace of Port B. renewed with a larger one, and a doubling plate fitted at lower part of mouth of same furnace, taking in part of front circumferential seam of shell.

To complete B.S. - The Donkey boiler and its safety valves to be examined & the latter to be adjusted under steam.

The pressure of Main boilers should now be entered in the Register Book as 90 lbs the thickness of S.V. Rings being off 1/16" for Port B. & 7/16" for Star B.  
 General Observations, Opinion, and Recommendation: - This vessel's boilers, so far as seen, are in safe working condition and the vessel is eligible, in my opinion, to remain as classed with record of survey B.S. 3.95. deferred until completion of above.

Office or Registration Fee (per Sec. 27)	£ : :	Fees applied for
Survey Fee (per Section 28)	£ 2 : 0 : 0	16.3. 1895
Special Damage Fee (per Section 28)	£ 0 : 4 : 0	
Travelling Expenses (if chargeable)	£ 1 : 16 : 0	Received by me, <u>R. Elliott</u>

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.  
 FRI JUN 5 1896  
 TUES. 15 OCT 1895

\*State if Certificate is required  
 Committee's Minute Assigned  
 Assigned Rpt Gls 17 95  
 TUES 19 MAR 1895 FRI 12 JUL 1895 TUES. 15 OCT 1895  
 Lloyd's Register Foundation  
 LON704-0428

State if a Report is also now sent on the Ship or not whether, and when, one will be sent.  
 \*Certificates to be sent to  
 16-LRPH-Form No. 9-Transfer, Ink-5,000, 22/9/94.  
 (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.