

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

MUN 4 APL 1898

(Received at London Office)

Date of writing Report 2 April 98 When handed in at Local Office is Port of London

No. in Reg. Book 930 Survey held at London Date, First Survey 23 March 1898 Last Survey 30 March 1898

on the Machinery of the Wood, Iron or Steel S.S. Spheroid Master Shouman

Tonnage Gross 1969 Net 1268 Vessel built at West Hartlepool By whom W Gray & Co (Lim) When 1891-12

Registered Horse Power 212 Engines made at West Hartlepool When 1891 Boilers, when made (Main) 1891 (Donkey) 1891

No. of Main Boilers one Owners Leighton Sons & Co Port London Voyage to India

No. of Donkey Boilers one Steam Pressure in Main Boilers 160 lbs in Donkey Boilers 80 lbs If Surveyed Afloat or in Dry Dock India & Union Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER.	Year at which new survey required.	Machinery and Boiler Surveys (including date of N.B., if any).
For Special Survey		
Date of last Survey and of Periodical Surveys.		
	<u>100 A1 - 12-96</u>	<u>+ LMC 1-96</u>
	<u>S.S. Lon 901 - 96</u>	

Last Survey No. Port Particulars of Examination and Repairs (if any) Boiler Survey

(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 " " " Yes

If this was not done, state for what reasons? ✓  
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? Low 160 lbs  
Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted? Low 82 lbs

Has the propeller shaft been drawn and examined at this time? Yes If spare propeller shaft fitted, state whether new? spare fitted - new.

State the distance between lignum vitae of stern bush and top of after bearing of screw shaft? Bush relined

If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? Complete

Vessel placed in dry dock. Examined Propeller & all fastenings & found satisfactory. Stern Bush relined. Examined Propeller shaft & found it badly fractured at aft end of fore liner, circumferentially, extending fully 1/4 way round, the spare shaft, a new one, has been fitted. Examined Main Boiler externally & internally & found it in good condition. Centre Furnace, starboard side, 3<sup>rd</sup> rib from front, a crack circumferentially was found about 6" long, a patch has been rivetted over same. Safety valves satisfactory. Examined Donkey Boiler externally & internally & found it in good condition. 2 pairs of plain tubes renewed. Safety valve satisfactory. Examined Main & Donkey Boilers under steam & adjusted safety valves to working pressures.

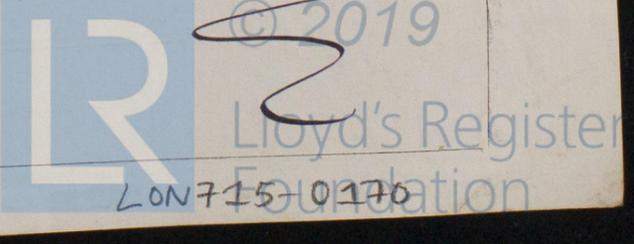
General Observations, Opinion, and Recommendation: The machinery of this vessel, so far as seen, is now in a safe working condition & eligible, in my opinion, to have BS 3.98 Recorded in the Register of the Society.

Office or Registration Fee (per Sec. 27) £ 1.10.0  
 Survey Fee (per Section 28) £ 3.0.0  
 Special Damage Fee (per Section 28) £ 1.0.0  
 Travelling Expenses (if chargeable) £ 2.7.0

Received by me, 3/6/98

Thomas Blackie  
Engineer-Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute assigned BS 3.98



Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

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

\*Certificate to be sent to

Law shaft found fractured now renewed, stern bush ulined small repairs to Boiler

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 for THE RECORD. B.L. 398

HS  
6/4/98

Table with vertical lines for recording data.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.