

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

(Received at London Office MON. 27 NOV 1893)

Date of writing Report Nov 27 93 18 18 When handed in at Local Office 18 Port of London

No. in Reg. Book 150 Survey held at London Date, First Survey Nov. 16 Last Survey Nov. 23 1893  
(No. of Visits 4)

on the Machinery of the Wood, Iron or Steel S.S. "Hawthorns" Master                     

Tonnage { Gross 737 Vessel built at Nux. By whom Palmer Bros. & Co When 1861-8  
Net 457 Comp.                     

Registered Horse Power 95 Engines made at Lon. When 1873 Boilers, when made (Main) 1873 (Donkey)                     

No. of Main Boilers 2 Owners J. Furville & Son Port London Voyage                     

Steam Pressure in Main Boilers 75 lbs. If Surveyed Afloat or in Dry Dock                       
(State name of Dock.)

in Donkey Boiler                     

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

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).
-1- A1		MS. 7. 91
S. 92.		B.S. 10. 93
S.S. Lon. No 3-5. 88		
S.S. Lon. No 1-91		

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

(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?

Do. " Donkey " " " " "

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?

At what pressure were they afterwards adjusted under steam?

Did the Surveyor examine the Safety Valves of Donkey Boiler?

To what pressure were they afterwards adjusted?

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

*Crane shaft found broken in No 3 journal. New one fitted  
Examd: cyldrs: slides, air, circ: & fed pumps found in good condtn.  
one bilge pump paw found broken, this has been renewed, & new white metal  
fitted in No 3 journal. four damaged holdg: bolts renewed, for crane shaft journals.  
& shafting luid up.*

*Vessel placed in dry dock sea comtrns: examd: found in good condtn.  
the propeller fits fastenings sound & the tail shft: a good fit in stem bush*

*New crane shaft marked J. & Co. 1885*

General Observations, Opinion, and Recommendation:— As far as seen this vessel

(State clearly what alteration, if any, is suggested to be made in the existing classification and notification of the vessel's machinery in the Register Book, consequent upon this survey: thus, for example, B.S. 9, 92, B.&M.S. 9, 92 or L.M.C. 9, 92, as the case may be.)

*appears eligible to remain as classed*

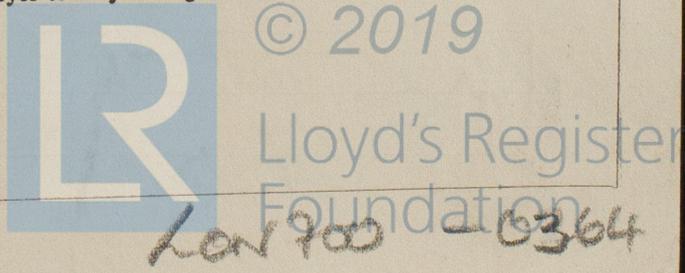
Office or Registration Fee (per Sec. 27).....	£ : :	Fees applied for <u>27. 11. 18 93</u> <i>A.P.H.</i> 28. Received by me, <u>28. 11. 18 93</u>
Survey Fee (per Section 28).....	£ ✓ : ✓ :	
Special Damage Fee (per Section 28).....	£ 3 : 3 :	
Travelling Expenses (if chargeable).....	£ : :	

Geo. E. Wetherill  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

\* State if Certificate is required

Committee's Minute TUES. 28 NOV 1893

Assigned                     



\* Certificate to be sent to... (The Surveyor is requested not to write on or before the space for Committee's Minute.)

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

It is submitted that  
this vessel is eligible  
to remain AS CLASSIFIED.

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.

On account of damage, a new  
crankshaft has been fitted,  
the machinery has been  
partly opened out &  
moderate repairs done  
to it -

Prob  
27/11/93 -

