

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

(Received at London Office) WED, 20 OCT 1897 10-32 AM

Date of writing Report 19 Oct 97 When handed in at Local Office 18 Port of London

No. in Reg. Book. 372 Survey held at London Date, First Survey 7 Oct Last Survey 11 Oct 1894
(No. of Visits 4)

on the Machinery of the Wood, Iron or Steel S.S. "Norman" Master ✓
Tonnage { Gross 728 Net 222 Vessel built at Sunderland By whom Sunderland S.B. Co (Ld) When 1896 - 11

Registered Horse Power 134 Engines made at Sunderland When 1896 Boilers, when made (Main) 1896 (Donkey) 1896
No. of Main Boilers one Owners S. Hawthorn Port London Voyage ✓
No. of Donkey Boilers one

Steam Pressure in Main Boilers 175 lb in Donkey Boilers 100 lb ✓ Surveyed Afloat or in Dry Dock Limehouse
(State name of Dock.)

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 expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>+100 A1-6-97</u>		<u>-L.M.C</u> <u>11-96</u>

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

Periodical Surveys, when held, must be reported in detail and serialim 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 date 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? No
Do. " Donkey " " " No

this was not done, state for what reasons? Not open 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? ✓
Did the Surveyor examine the Safety Valves of Donkey Boiler? No To what pressure were they afterwards adjusted? ✓

Was the propeller shaft been drawn and examined at this time? Yes If spare propeller shaft fitted, state whether new? ✓

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

Vessel damaged by grounding while on voyage from London to Liberia on the 23 August 1897.

Vessel placed in dry dock. Examined propeller, propeller shaft, Stern Bush (relined), & all sea connections & fastenings to same & found them satisfactory.

Examined crank, Lunnel, & Thrust Shafting, Condensers & Pumps. Water service pipes cleared. The three bearings in Lunnel were found badly scored & cut, the shaft also being scored, the shaft has been filled up, the bearings have been cleared on bottom & cleaned up & the shaft has been relined. The Main Boilers have been washed out & the Check valves to same overhauled.

General Observations, Opinion, and Recommendation: The Machinery of this vessel so far
(State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.: thus, for example, B.S. 9,05, B.&M.S. 9,95 or L.M.C. 9,95, 140 lb., F.D., &c.)

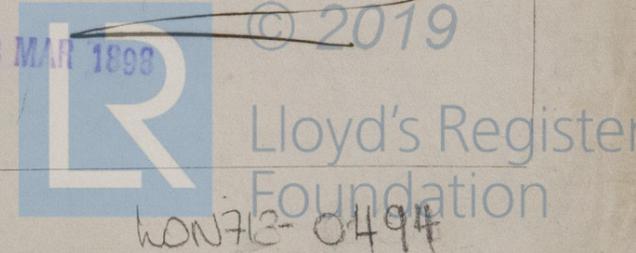
as seen, is now in a safe working condition & eligible, in my opinion, to remain as classed.

Office or Registration Fee (per Sec. 27)	£	:	:	Fees applied for
Survey Fee (per Section 28)	£	:	:	<u>22/10 1897</u>
Special Damage Fee (per Section 28)	£	2	2	0
Travelling Expenses (if chargeable)	£	1	18	0

Received by me, Thomas R Blackie
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

State if Certificate is required _____
Committee's Minute TUES. 26 OCT 1897 FRI. 4 MAR 1893 TUES. 8 MAR 1893

Assigned as now



W0N713-0494

Screw shaft examined & slight repairs
to engines owing to damage

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**.

R.S.

23. 10. 97

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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Foundation