

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

(Received at London Office)

FRI. 9 DEC 1898

Date of writing Report 6<sup>th</sup> Dec 1898 When handed in at Local Office 7<sup>th</sup> Dec 1898 Port of London

No. in Reg. Book 779 Survey held at London Date, First Survey 18 Oct Last Survey 6<sup>th</sup> Dec 1898

on the Machinery of the Wood, Iron or Steel T.S. Minnesota Master Lukas

Tonnage { Gross 3216 Net 2080 Vessel built at Belfast By whom Harland & Wolff When 1887 11

Registered Horse Power 291 Engines made at " When '87 Boilers, when made (Main) '87 (Donkey) '87

No. of Main Boilers 2 Owners Atlantic Transport Co. Ltd Port London Voyage Baltimore

No. of Donkey Boilers 1

Steam Pressure in Main Boilers 162 lbs If Surveyed Afloat or in Dry Dock Afloat (State name of Dock.)

in Donkey Boilers 50

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 Allowed to expire.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>L.M.C. 2.98.</u>	<u>+</u>	<u>L.M.C. 10.93</u>
<u>S.S. Lond 3.5.94.</u>	<u>+</u>	<u>B.S. 7.97.</u>

Last Survey No. --- Port ---

Particulars of Examination and Repairs (if any) equip of L.M.C.

(Periodical Survey when held, must be reported in detail and serially in the terms of the Rules. State clearly the cause of Repairs, 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? already done. See Rept. No 60171.

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? no To what pressure were they afterwards adjusted under steam? 162 lbs

Did the Surveyor examine the Safety Valves of Donkey Boiler? yes To what pressure were they afterwards adjusted under steam? not adj.

Has the propeller shaft been drawn and examined at this time? no If spare propeller shaft fitted, state whether new? ---

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

If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? Donkey Boiler Safety Valve to be adjusted under steam as above on vessel's return next month. Now done: - Donkey Boiler examined. Some found slightly weakened by corrosion. Test holes show sufficient thickness for a working pressure of Fifty Pounds per Square inch only. To which pressure they will now be reduced. After examn this Boiler now tested by water pressure to 80 lbs per sq and found good. Main Safety valves now adjusted, as above. Low Pressure Side Valve Examd & found in good order.

General Observations, Obinion, and Recommendation: -  
 (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. 9,97, B.&M.S. 9,97 or L.M.C. 9,97, 140 lb., F.D., &c.)

The Machinery of this Vessel is in good order and in my opinion eligible to remain as classed. With fresh record of +L.M.C. 7.98 when this Survey is completed.

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

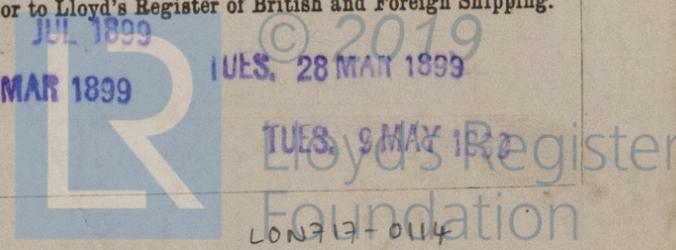
D. Ritchie  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

State if Certificate is required ---

Committee's Minute Deferred

Assigned Deferred

TUES. 13 DEC 1898 FRI. 27 JAN 1899 FRI. 24 MAR 1899 TUES. 28 MAR 1899



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

S.S. No. 1. due 5.98 to be Completed  
on vessels return in one month.

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 WILL BE eligible for the record. + L.M.C. 8.98 when the Donkey Boiler Safety Valve have been adjusted under steam - and subject to Screw Shaft being examined before end of Sept. 1899.

A.C.H.

10.12.98

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.