

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

(Received at London Office)

MON 27 MAR 1899

Date of writing Report *23rd March 1899* When handed in at Local Office *24th March 1899* Port of *London*  
 No. in Reg. Book *779* Survey held at *London* Date, First Survey *and* Last Survey *16 March 1899*  
 on the Machinery of the *Wood, Iron or Steel* *S.S. Minnesota* Master *Lucas*  
 Tonnage { Gross *3216* Net *2080* Vessel built at *Belfast* By whom *Harland & Wolff* When *88* Boilers, when made (Main) *87* (Donkey) *87*  
 Registered Horse Power *291* Engines made at *La Port London* Voyage *Britannia*  
 No. of Main Boilers *1* Owners *Atlantic Transport Co Ltd*  
 No. of Donkey Boilers *1* If Surveyed Afloat or in Dry Dock *afloat in dry dock*  
 Steam Pressure in Main Boilers *160 lb* (State name of Dock.)  
 in Donkey Boilers *52*

Last Survey No. *60856* Port *Leu*Particulars of Examination and Repairs (if any) *Complete L.U.C. + 100 A1 - 2.98*

(Periodical Surveys, when held, must be reported in detail and serially 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?

To what pressure were they afterwards adjusted under steam?

Did the Surveyor examine the Safety Valves of Donkey Boilers *Already Done*To what pressure were they afterwards adjusted under steam? *57 lbs.*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? *Complete*

*Now done: Donkey Boiler Safety Valves adjusted under steam as above.*

## General Observations, Opinion, 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 condition and in my opinion eligible to remain as classed and this survey being now completed is eligible for fresh record of L.U.C. as already recommended in last London Report and rectification of 57 lbs. in Donkey Boilers.*

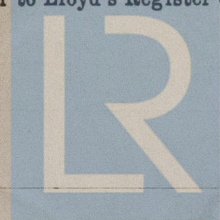
Office or Registration Fee (per Sec. 27) £ : : Fees applied for  
 Survey Fee per Section 28) £ : : 18  
 Special Damage Fee (per Section 28) £ : :  
 Travelling Expenses (if chargeable) £ : :  
 Received by me, *D. Ritchie*

State if Certificate is required

Committee's Minute

Assigned *+ L.M.C. 8,98 subject*

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



Lloyd's Register

Foundation

Last 718 - 0029



Donkey Boiler safety Valves adjusted  
under steam.

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. S.M.C. 8.98 subject.

No Screw shafts being examined  
before end of Sept 1899.  
Donkey Boiler pressure to be  
noted 50 lbs.

A.C.H.

27.3.99

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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