

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

WED, JAN 15 1896

Date of writing Report 14<sup>th</sup> Jan 96 When handed in at Local Office 18 Port of London

No. in Reg. Book 605 Survey held at Tilbury Date, First Survey October 2<sup>nd</sup> 1895 Last Survey 10<sup>th</sup> Jan 1896

on the Machinery of the Wood, Iron or Steel S.S. "Lusitania" Master G. J. H. Forbes

Tonnage { Gross 3912 Net 2518 Vessel built at Birkenhead By whom Laird Bros. When 1871 Month 6

Registered Horse Power 638 Engines made at Hartlepool When 1886 Boilers, when made (Main) 1886 (Donkey) 1886

No. of Main Boilers Four Owners Orient Steam Nav. Co. Port Liverpool Voyage West Indies

No. of Donkey Boilers one Steam Pressure in Main Boilers 150 If Surveyed Afloat ✓ in Dry Dock Tilbury wet + dry dk. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

in Donkey Boilers 100 (State name of Dock.)

Last Survey No. 56590 Port London.  
Particulars of Examination and Repairs (if any) 6<sup>th</sup> 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? 148 lbs.

Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes

To what pressure were they afterwards adjusted? 100 lbs.

Has the propeller shaft been drawn and examined at this time? No.

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

Now done. - Vessel placed in dry dock. all sea + bilge cock valves examined. All cylinders, pistons, slide valves, pumps + condenser examined + found in order. All main, thrust + tunnel shafting, also crank pins examined. The Main + Donkey boilers examined internally + externally, their safety valves examined and adjusted under steam. Propeller + its fastenings examined and found in order.

The propeller shaft is down 1/8", and the owners representative state that it was drawn about three years ago, since then the vessel has only made three voyages. It is also stated that the shaft is lined throughout. It was inconvenient for the owners to draw the shaft at this time.

General Observations, Opinion, and Recommendation:— This vessel's machinery is  
(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. 4,94, B.&M.S. 4,94 or L.M.C. 4,94, 140 lb., F.R., &c.)  
now in safe working condition and eligible, in my opinion, to remain as classed with record of survey L.M.C. 1.96.

Office or Registration Fee (per Sec. 27)..... £ : : Fees applied for 22/11 1896

Survey Fee (per Section 28)..... £ 5:10:0

Special Damage Fee (per Section 28) less 10% £ : : 39

Travelling Expenses (if chargeable)..... £ 4:19:- Received by me, R. Elliott.

\*State if Certificate is required

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

Committee's Minute FRI, JAN 24 1896

Assigned L.M.C. 1.96