

52758

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

MON. 29 FEB 1892

(Received at London Office.)

No. 27<sup>th</sup> Feb 1892 Port of London  
Date of Writing Report  
Survey held at London " Lusitania Date, First Survey 20<sup>th</sup> Jan 1892 Last Survey 27<sup>th</sup> Feb 1892  
Reg. Book. 523 on the Machinery of the S.P. Lusitania Master Gillet No. of Visits 5  
Tonnage Gross 3877 Net 2494 Vessel built at Warrington By whom Laird Bros. When 1871 6  
Registered Horse Power 700 Engines made at Warrington When 1886 Boilers, when made (Main) 1886 (Donkey) 1886  
No. of Main Boilers Three Owners Orient Steam Nav. Co. Port Liverpool Voyage Liverpool  
Steam Pressure in Main Boilers 150 lbs If Surveyed Afloat or in Dry Dock Booth  
in Donkey Boiler 100 lbs (State name of Dock.) Gilbury Class of Vessel & Machinery A1\*1390  
Last Survey No. Port (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.) 4<sup>th</sup> Survey Hpt. 4-86 LMC 4.86  
-NB 4.86

## Particulars of Examination and Repairs (if any) Fifth Survey & B.S.

(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 should be separated from Repairs due to other causes. 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.

To what pressure were they afterwards adjusted under steam? 150 lbs

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

To what pressure were they afterwards adjusted? 100 lbs

Vessel placed in dry dock  
Examined propeller, tail shaft, (stem bush (which has been renewed), &  
all sea connection fastenings. found same in good order.  
Main, Aux<sup>ly</sup> & donkey boilers & Safety Valves, tested & adjusted  
same under steam (Main & Aux<sup>ly</sup>) to lift a 150 lbs (Donkey B<sup>o</sup> 100 lbs)  
Whilst the Aux<sup>ly</sup> boiler was under steam a crack was found in the bottom of each  
of the two furnaces (Fox's Patent) ~~the~~ each crack about 2" long & in a line with the  
weld. The one in the Port furnace about the middle corrugation, the other in the  
Star furnace in the third corrugation from the front. Subsequently the  
boiler was opened out & test holes were drilled through the defects, found  
the plate in each case =  $\frac{3}{8}$ " thick. The furnaces otherwise are in good condition.  
The Owners propose to have covering patch riveted on each defective part  
on the vessel's arrival at Liverpool on the 29<sup>th</sup> inst.  
Liverpool Surveyors have been advised.

## General Observations, Opinion, and Recommendation:—

(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. 191, B.M.S. 191, or L.M.C. 191, as the case may be.)

As far as seen the machinery of this vessel is in safe work<sup>g</sup> condition & eligible in my opinion to remain as classed & have LMC. 3.90. B.S. 292 recorded in the register book when the auxiliary boiler, <sup>furnaces</sup> has been repaired.

Office on Registration Fee (per Sec. 27)	£	:	Fees applied for
Survey Fee (per Section 28)	£	8 : 10 : -	<u>29/2</u> 1892
Special Damage Fee (per Section 28)	£	:	Received by me,
Travelling Expenses (if chargeable)	£	:	<u>4/6</u> 1892

\*State if Certificate is required

Committee's Minute TUES. 1 MAR 1892

Assigned LMC 7.90

Signature

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



LON645-0287



It is submitted that this  
vessel will be eligible for  
the record L.M.C. 7.90  
and B.S. 292 when  
the donkey boiler furnaces  
have been repaired.

This report should be  
forwarded to the  
Liverpool Surveyors

C.R.S.

29.2.92



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