

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

WED. 2 DEC 1891

(Received at London Office)

No. *122* Date of Writing Report *1<sup>st</sup> Nov* 1891 Port of *London*

No. in Reg. Book *122* Survey held at *London* Date, first Survey *17<sup>th</sup> Nov* Last Survey *24<sup>th</sup> Nov* 1891

on the Machinery of the *Es "Opack"* Master *E. Pump* No. of Visits *4*

Tonnage Gross *2705* Net *1730* Vessel built at *Glasgow* By whom *R. W. Henderson & Co* When *1883* (YEAR, MONTH)

Registered Horse Power *480* Engines made at *"* When *1883* Boilers, when made (Main) *1883* (Donkey) *1883*

No. of Main Boilers *Two* Owners *China Shippers Mut. S. N. Coy* Port *London* Voyage *✓*

Steam Pressure in Main Boilers *90<sup>th</sup>* If Surveyed Afloat or in Dry Dock *Afloat* Class of Vessel & Machinery *L100A1.10.9*

in Donkey Boiler *90<sup>th</sup>* (State name of Dock.) *E. End: dock* (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.) *L.M.C. 3.88. B.S. 7.90*

Last Survey No. *439* Port *Shi* *S.S. Lon: 17<sup>th</sup> 1.88.*

Particulars of Examination and Repairs (if any) *Port S.S. N<sup>o</sup> 2*

(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*

At what pressure were they afterwards adjusted under steam? *90<sup>th</sup>*

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

To what pressure were they afterwards adjusted? *90<sup>th</sup>*

*Examined Main and donkey boilers internal and external also their safety valves - all found satisfactory.*

*" Air-pump & its valves " " "*

*" Feed & bilge pumps & their valves - plungers turned up - new neck bushes & valve seats fitted satis.*

*" Low Pres. Cyl. & piston - found same in good order*

*Main & donkey boilers tested under steam & their safety valves adjusted to blow at 90 lbs per sq in*

*To complete the survey - the following parts of the machinery requires to be repaired -*

*M. Pres. Cyl. & piston, M.P. & L.P. slide valves & chest, Circulating Pump, Condenser, Crank Thrust & tunnel Chaffing, Bilge Suctions & sluices, Propeller, all Sea Counsel & their fastenings, Stern bush & tail shaft as per rule.*

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. 1,91, B.&M.S. 1,91, or L.M.C. 1,91, as the case may be.)

*So far as seen the machinery of this vessel is in good order & safe work<sup>g</sup> condition and eligible in my opinion to remain as classed I have **L.M.C** with date recorded when the above requirements have been carried out*

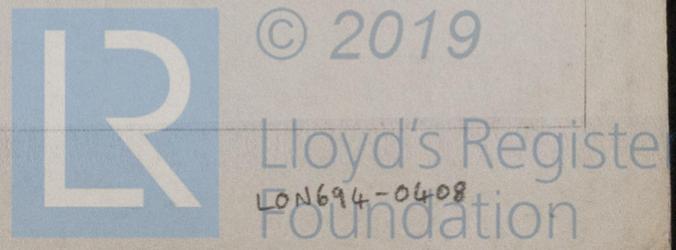
Office or Registration Fee (per Sec. 27)	£ :	Fees applied for
Survey Fee (per Section 28)	£ 5 : 10 : -	3/124 1891
Special Damage Fee (per Section 28)	£ :	Received by me,
Travelling Expenses (if chargeable)	£ :	12.12.1891

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

Committee's Minute **FR: 4 DEC 1891**

Assigned *BS 11/91*

*Note*



State if a Report is also now sent on the Ship or if not whether, and when, one will be sent.

Certificate to be sent to  
L.R.F. Form No. 9 - Transfer Ink - 5,000, 18/9/91  
(The Surveys are requested not to write on or below the space for Committee's Minute.)

Insert Character of Ship and Machinery precisely as in the Register Book.

It is submitted that this vessel  
is eligible for the record B.S. 11.91  
and will be eligible for the record  
+ L.M.C. 11.91 when the H.P. cylinder  
both slide valves, the circulating  
pump, the shafting, the bilge  
suctions and if necessary  
the condenser have been  
examined.

see C.D.S.

3.12.91

C.D.S.

3.12.91

