

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

(Received at London Office. MON 7 DEC 1896)

Date of writing Report *5th Dec 1896* When handed in at Local Office *7th Dec 1896* Port of *Londra*
 No. in Reg. Book *140* Survey held at *Londra* Date, First Survey *14 Sept* Last Survey *5th Dec 1896*
 on the Machinery of the *Wood, Iron or Steel* *T.S.S. Mirror* Master *G. Galtison*
 Tonnage Gross *545* Net *790* Vessel built at *Glasgow* By whom *R. Napier & Sons* When *1885* Boilers, when made (Main) *88* (Donkey) *88*
 Registered Horse Power *245* Engines made at *"* Owners *Eastern Tel Co. Ltd* Port *Londra* Voyage *Not Fixed*
 No. of Main Boilers *2* No. of Donkey Boilers *1* If Surveyed Afloat or in Dry Dock *Afloat in South Dock* Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).
 Steam Pressure in Main Boilers *100 lb.* in Donkey Boilers *100 lb.*

Last Survey No. *177* Port *Sit*
 Particulars of Examination and Repairs (if any) *Damage & B.S.*

(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? *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? *yes.*
 Did the Surveyor examine the Safety Valves of the Main Boiler? *yes.*
 At what pressure were they afterwards adjusted under steam? *not yet adjusted.*
 Did the Surveyor examine the Safety Valves of Donkey Boiler? *yes.*
 To what pressure were they afterwards adjusted? *not yet adjusted.*
 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? *Before next Sail.*
Now done in account of Damage by Pump Levers breaking on the 18th of August '96 while vessel on voyage from Gibraltar to Londra. - New Pump Levers and a new Stop for Bilge Valve Box fitted. A new Spindle fitted through Air Pump Rod Feed Pump Plunger turned and fitted with new Gland & back-bushes. Gudgeons between Pump Levers fair and re-fitted. One new crosshead for Pumps fitted. Water Service Pipes part-renewed.

As ordinary repairs and examinations: - Main Boilers now examined. Some generally in good order but various screwed stays found defective. Repairs: - Thirty-two new screwed stays now fitted.
 Donkey Boiler examined. Some found to be generally in fair condition. Repairs & damage done. Eight new screwed stays fitted. After repairs this boiler tested to 150 lb and found good. To complete this survey the safety valves remain to be adjusted. This will be done before next sail.

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. 9,95, B.&M.S. 9,95 or L.M.C. 9,95, 140 lb., F.D., &c.)
The machinery of this vessel is in good order and, in my opinion, eligible to remain as classed and to have fresh record of B.S. 1296 when this survey is completed.

Office or Registration Fee (per Sec. 27) £ : : Fees applied for *7/12 1896*
 Survey Fee (per Section 28) £ *2* : : *19/12 96*
 Special Damage Fee (per Section 28) £ *1* : *16* : 0 Received by me, *D. Ritchie*
 Travelling Expenses (if chargeable) £ : :
 *State if Certificate is required.

Committee's Minute *TUES 8 DEC 1896* *FRI. 2 APL 1897* *FRI. 4 JUN 1897*

Assigned *Deferred for*
comple. of R.S.
 LON 711-0101

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

*Certificate to be sent to