

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

(Received at London Office)

TUES MAR 30 1897

Date of writing Report *27 March 1897* When handed in at Local Office *27 March 1897* Port of *London*  
 No. in Reg. Book *740* Survey held at *London* Date, First Survey *14 Feb 97* Last Survey *26 March 1897*  
 on the Machinery of the *Wood, Iron or Steel* *Twin S.S. Mirror* Master *G. Patterson*  
 Tonnage { Gross *1575* Net *790* Vessel built at *Glasgow* By whom *R. Napier & Son* When *1885* Year. MONTH. *12*  
 Registered Horse Power *245* Engines made at *"* When *"* Boilers, when made (Main) *85* (Donkey) *85*  
 No. of Main Boilers *2* Owners *Eastern Tel Co. Ltd* Port *London* Voyage *not fixed*  
 No. of Donkey Boilers *1* If Surveyed Afloat or in Dry Dock *Afloat & in Dry 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. *"* Port *"*Particulars of Examination and Repairs (if any) *Comp. B.S. Part L.M.C. + 100 A. 11.94*

(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? *no*Do. " Donkey " " " *no*If this was not done, state for what reasons? *already done. See London Report No 58291.*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? *no*At what pressure were they afterwards adjusted under steam? *100 lbs*Did the Surveyor examine the Safety Valves of Donkey Boiler? *no*To what pressure were they afterwards adjusted? *100 lbs*Has the propeller shaft been drawn and examined at this time? *yes*If the Survey is not complete state what arrangements have been made for its completion? *Before vessel sails.*

*Work done to complete B.S.: Main and Donkey Boilers examined under steam and their Safety Valves adjusted as above.*

*Work done at request of owners as part L.M.C.: Propeller shafts examined in shop. Same found satisfactory but liners scored.*

*Later now turned true. Stem-bushes fitted with new lining ofignum vitae and all re-fitted in place. Propellers and all ten.*

*Connections in good order. Port-cylinders & Pistons and the Starboard Pumps examined. New Circulating Pumps fitted.*

*to Port & Starboard Engines & new Donkey Engine Ballast Pump also fitted.*

*To complete this survey the following work remains to be done: -*

*All shafts except the Tail shafts the Starboard & L.P. cylinders & Pistons and all slides and the Port-Air Feed & Bilge Pumps and the arrangements of Cocks, Valves & Sea & Bilge Connections require to be examined.*

## 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, E.&M.S. 9.95 or L.M.C. 9.95, 100 lb., F.D., &c.)

*The Machinery of this vessel is in good condition and in my opinion eligible to remain as classed and the fresh period of B.S. 12.96 assigned the notification of + L.M.C. being deferred until this survey is completed. Name to be removed from Special Reasons List.*

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)	£	:	:	18

\*State if Certificate is required

Committee's Minute

Assigned

FRI. 2 APL 1897

FRI. 4 JUN 1897

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



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