

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

(Received at London Office SAT. 23 OCT 1893)

Date of writing Report 27<sup>th</sup> Oct. 93, When handed in at Local Office 18 Port of London  
 No. in Reg. Book. 648 Survey held at Tilbury Date, First Survey October 23<sup>rd</sup> Last Survey 27<sup>th</sup> Oct. 1893  
 on the Machinery of the Wood, Iron or Steel S.S. "Minnesota" Master E. G. Cannon  
 Tonnage { Gross 3216 Net 2080 Vessel built at Belfast By whom Harland & Wolff When 1887 YEAR. MONTH.  
 Registered Horse Power 320 Engines made at Do. When 1887 Boilers, when made (Main) 1887 (Donkey) 1887  
 No. of Main Boilers Two Owners Williams, Jory & Fielding Port London Voyage Baltimore  
 Steam Pressure in Main Boilers 160 If Surveyed Afloat or in Dry Dock Tilbury dry wet dock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).  
 in Donkey Boiler 60

Last Survey No. PortParticulars of Examination and Repairs (if any) B.S. Condition

(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?

Do. " Donkey " " "

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?

At what pressure were they afterwards adjusted under steam?

Did the Surveyor examine the Safety Valves of Donkey Boiler?

To what pressure were they afterwards adjusted?

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

in six weeks hence.

Both Main boilers examined internally and externally. Safety valves examined and afterwards adjusted under steam to above pressure.

To complete B.S. - The Donkey boiler and its safety valves require to be examined and the latter adjusted under steam.

Vessel placed in dry dock - sea connections, propeller & its fastenings examined & found in good condition.

General Observations, Opinion, and Recommendation:— The machinery of this vessel,

(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. 9,92, B.E.M.S. 9,92 or L.M.C. 9,92 as the case may be.)

so far as seen, is in safe working condition, eligible, in my opinion to remain as classed & to have record of B.S. 10.93. entered in the Register Book on completion of above.

Office or Registration Fee (per Sec. 27) £ : :  
 Survey Fee (per Section 28) £ 2 : 0 : 0  
 Special Damage Fee (per Section 28) £ : :  
 Travelling Expenses (if chargeable) £ : :

Fees applied for

28.10.1893

Received by me,

7/11/1893

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

\*State if Certificate is required.

Committee's Minute.

TUES. 31 OCT 1893

Assigned

Referred for completion

FRI 16 FEB 1894

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Lloyd's Register

Foundation

London - 0237