

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

(Received at London Office,

No. 4045  
 No. in Survey held at Glasgow Date, first Survey July 2<sup>nd</sup> Last Survey July 10<sup>th</sup> 1885  
 Reg. Book, 968 on the Machinery of the S. S. State of Pennsylvania (Number of Visits 5 Year Month)

Tonnage, Gross 2442 Built at Glasgow (The London & Glasgow Co. Ltd.) When built 1873 2  
 Ditto, Net 1593 Owners The State Steam-ship Co. Ltd. Port belonging to Glasgow  
 Diameter of Cylinders 46 x 82 Engines made by The London & Glasgow Co. Ltd. When made 1873  
 Length of Stroke 45 Boilers made by " When made 1873  
 Pressure of Steam 65 lbs If Surveyed Afloat or in Dry Dock Govan dry dock (State Name of Dock.) Classed 100A1 8-84  
 Registered Horse Power 400  
 Last Survey No. " Port L.M.C. 4-84

## Particulars of Repairs and Examination Annual Survey

(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.)

Engines: Opened up for Survey, and examined cylinders, pistons, slide valves, condenser, pumps, crank shaft, thrust &c. When in dry dock, the propeller was examined, and the sea-cocks and injection valve taken out & overhauled.

Boilers: Main and donkey boilers thoroughly examined: a few screw stays in each fire box of main boilers found wasted, these have been renewed (39 in all). The patches on furnaces fitted on a previous occasion are in good condition. The after-centre furnace of port boiler (at the back end) somewhat wasted through leakage, also the second landing at bottom of circumferential seam of port boiler from the same cause. The inside of dome shell plates of each main boiler rather badly pitted, these have been drilled, and the thickness found sufficient for the working pressure. The Safety valves taken out and examined, and afterwards tested and adjusted under steam to a pressure of 65 lbs per sq.

## General Observations, Opinion, and Recommendation:--

(State clearly what alteration, if any, is suggested to be made in the existing notification of the vessel's machinery in the Register Book, consequent upon this survey.)

The Engines and Boilers of the above steamer are now in good condition and safe working order and eligible in my opinion to be noted in the Register Book L.M.C. 4-85

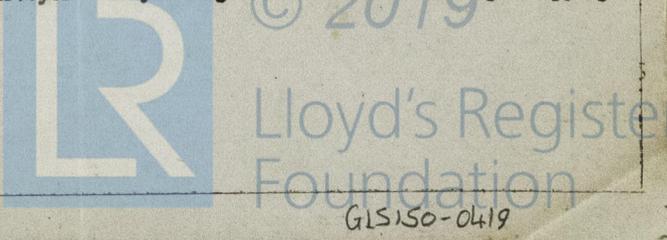
Office or Registration Fee (per Sec 27) £ : :  
 Survey Fee (per Section 28) £ 2 : 2  
 Special Damage Fee (per Section 28) £ : :  
 \*Certificate (if required) £ : :  
 Travelling Expenses (if chargeable) £ : :

received by me, [Signature] 14/7 1885

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

Committee's Minute FRIDAY 17 JULY 1885

Assigned M.C. 7.00



State if a Report is also sent on the Hull of the Ship

Form No. 9 - Transfer Ink - 3000, 19/2/85. \* Certificate to be sent to the Surveyors 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 to have  
the notification LMC. 7. 85  
recorded, the holder being  
subject to resurvey  
as per Rule

16/7/85

7045. *egs.*



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