

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

THURS 31 MARCH 1887

(Received at London Office,

No. 4841 Port of Glasgow

No. in Survey held at Reg. Book.

969 on the Machinery of the

S. S. State of Pennsylvania

Date, first Survey 5<sup>th</sup> Feb<sup>y</sup>

Last Survey 11<sup>th</sup> Feb<sup>y</sup> 1884

(Number of Visits 3)

Tonnage, Gross 2483

Built at Glasgow

When built 1873 - 2

Ditto, Net 1568

Owners The State Steam Ship Co<sup>ld</sup>

Port belonging to Glasgow

Diameter of Cylinder 46 + 82

Engines made by The London & Glasgow Co<sup>ld</sup>

When made 1873

Length of Stroke 45"

Boilers made by D & W Henderson

When made 1886

Pressure of Steam 90 lbs

If Surveyed Afloat or in Dry Dock Both Green Dry Dock. Classed 100 A. 1. 5-86.

Registered Horse Power 400.

L. M. C. 5-86.

Last Survey No.

Port

## 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.

The machinery of this vessel opened out for survey and there were examined the cylinders, pistons, slide valves, crank shaft & shafting, also the main boilers & safety valves. When the vessel was in Dry Dock the sea cocks & valves, propeller & fastenings were all examined.

The Aft engine crankshaft which had some defects in main bearing has been removed & replaced by a new one. The main bearing stones have all been readjusted & the whole shaft re-bedded. The new shaft, which is of the built construction, was made by Mess<sup>rs</sup> D & W Henderson & on examination previous to fitting in place, was found to be free from defects.

A small fracture was found in flange of one centre furnace at junction to tube plate - the defective part has been cut out and a small patch fitted.

## 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 new Aft crankshaft has been satisfactorily fitted on board and I am of opinion the machinery is in good & safe working condition and eligible to be classed L. M. C. 2-87 in the Register Book.

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, 29/3/1887

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

Committee's Minute

FRIDAY 1 APRIL 1887

Assigned

L. M. C. 2. 87



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It is submitted that this vessel is  
eligible to have the notification  
Sml 2.87 recorded.

W.F.

11/4/87



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THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS PAGE.