

# Report of Survey for Repairs of Engines and Boilers.

(Received at London Office, 28/2/81)

No. 5 on the Machinery of the S. S. "H. P. Stephenson" (Number of Visits 5)  
 No. in Survey held at London Date, first Survey Feb. 2<sup>nd</sup> Last Survey Feb. 25<sup>th</sup> 1881  
 Reg. Book. 5 on the Machinery of the S. S. "H. P. Stephenson" (Number of Visits 5)  
 Tonnage, Gross 962 Built at Newcastle When built 1871  
 Ditto, Net 624 Owners Thomson Boyd & Co. Port belonging to Year  
 Diameter of Cylinder 28" x 54" Engines made by Thomson Boyd & Co. When made 1871  
 Length of Stroke 30" Boilers made by Ditto When made 1871  
 Pressure of Steam 53 If Surveyed Afloat or in Dry Dock Afloat & Pontoon Classed 90A1  
 Registered Horse Power 120 Years assigned 1 Character in Register Book 90A1  
 Last Survey No. B. S. 2. 80. Port B. S. 2. 80.

## Particulars of Repairs and Examination Of Boilers on account of short certificate.

On examining shell of boilers, found that the rivets had been taken out of the circumferential seams at ends & patches bolted on, these patches being from 4ft to 5ft long, the patches showing signs of heating recommended that they should be removed to see condition of boiler, on examination found the edges of plates good & sound, recommended that these seams should be riveted, the patches not being necessary, this has been done. Examined furnaces which were found in moderately good condition. The backs of combustion chambers found to be doubled, the plates very much buckled & distorted. Recommended that these plates be cut out to the first seam about eighteen inches from bottom and new stays fitted this has been done and all stays below 1" dia. renewed, about twenty in each boiler. In & Apr Stays found in fair condition. Safety valves examined & found to be correctly loaded to the working pressure of 53 lbs. per sq. in. The boilers tested with hydraulic pressure to 53 lbs. per sq. in. & found to be tight.

Vessel placed on Pontoon, sea connection.

General Observations, Opinion, and Recommendation:— The Boilers of this vessel being now in good & safe working condition, renders the vessel eligible in my opinion to be marked B. S. 2. 81 in the Register & Port R.

Entry or Registering Fee ... £ " : " : "  
 Survey Fee ... £ 3 : 3 : 4 received by me, W. J. Wilson  
 Certificate (if required) ... £ : 2 : 6 5/3/1881  
 Travelling Expenses, if any, £

Committee's Minute

Tuesday March 5<sup>th</sup>, 1881.

Assigned

B. S. 2. 81

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



Lloyd's Register Foundation

LOM665-0187



40115 Jon.

examined and found to be in good condition.  
Propeller in good condition Stern Bush found  
to be but little worn.

It is submitted that this  
vessel is eligible to have  
the notations  
BS. 2,81 recorded

PM  
28/1/87



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