

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

(Received at London Office,)

No. 47086 Port of London Date, first Survey Feb. 16 Last Survey Feb. 25 1887  
 No. in Reg. Book. 123 Survey held at London on the Machinery of the S.S. Harter (Number of Visits 5 Year Month)  
 Tonnage, Gross 184 1/4 Built at Stockton When built 1879-2  
 Ditto, Net 1196 Owners Shaw Bushby & Co. Port belonging to London  
 Diameter of Cylinder 40 1/2 Engines made by C. D. Holmes & Co. When made 1879  
 Length of Stroke 45 Boilers made by Do. When made 1879  
 Pressure of Steam 75 lbs. If Surveyed Afloat or in Dry Dock Aft. S. Dock (State Name of Dock.) Character in Register Book. 100A1  
 Registered Horse Power 300 Classed 100A1  
 Last Survey No. L.M.C. 12.83 B.S. 10.83 Port London

## Particulars of Repairs and Examination Of Boilers

(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.)

Main boilers examined internally & externally & found to be in good condition, the midship furnace in Port boiler has been renewed with a steel one. Winch boiler has been lifted out of the vessel & a patch fitted in shell under bottom, & one in bottom of combustion chamber, the remainder of boiler in good condition. Safety valves in good condition & loaded with a direct weight to 50 lbs. Port Main boiler & donkey boiler satisfactorily tested with hydraulic pressure to 112 lbs. Main boiler safety valves set under steam to the Working pressure of 75 lbs. The Main Boilers have now been retubed. A. P. piston drawn, & rod turned up in lathe, new neck bushes fitted & glands retubed. Examined Cylinaders & Slides & found them in good condition. Air, Circulating, Feed & Bilge pumps, in good condition.

On refitting the A. P. piston it was found to be cracked for about 1/4" from centre on top flange. The vessel proceeds to Antwerp where the Owners propose to fit a new piston.

## General Observations, Opinion, and Recommendation:-- The boilers being now in good

(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.)

& safe working condition & the machinery as far as seen, the vessel is eligible in my opinion to remain as classed & have the notification L.M.C. with a fresh date on completion of the Special Survey No 2, provided that the A. P. piston is renewed at Antwerp before the vessel leaves for her present intended voyage. The boilers being now retubed it is submitted that the limit be now removed.

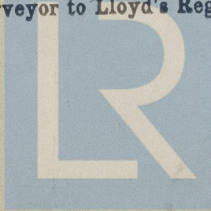
Office or Registration Fee (per Sec. 27)..... £ : :  
 Survey Fee (per Section 28) ..... £ 3 : 3  
 Special on Damage, Fee (per Section 28) ..... £ : :  
 \*Certificate (if required) to be sent as per margin.. £ : :  
 Travelling Expenses (if chargeable)..... £ : :

received by me,  
4/5 1887

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

Committee's Minute FRIDAY 4 MARCH 1887

Assigned



Lloyd's Register  
 Foundation

LON 679-0366



For the Antwerp Surveyors

D.P.

29/2/87



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