

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

(Received at London Office, MONDAY 3 MAY 1886)

No. 4431
 No. in Survey held at Glasgow Date, first Survey 5th April Last Survey 15th April 1886
 Reg. Book. 871 on the Machinery of the J. J. Minerva (Number of Visits 4)
 Tonnage, Gross 676 Built at Newcastle When built 1862. 1
 Ditto, Net 427 Owners Palgrave Murphy & Co Port belonging to London
 Diameter of Cylinder 25 + 48 Engines made by Palmer's Co When made 1877
 Length of Stroke 30 Boilers made by - When made 1877
 Pressure of Steam 65 lbs If Surveyed Afloat or in Dry Dock Both. In the Ship. Character in Register Book. Classed 95 A. 1. 11-84.
 Registered Horse Power 90 (State Name of Dock.)
 Last Survey No. - Port - L.M.C. 6-82.
B.S. 3-85.

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 & there were examined the cylinders, pistons, slide valves, crankshaft, pumps, pipes & also the main & donkey boilers, safety valves &c.
 When the vessel was on the slipway the sea cocks, valves, propeller & fastenings were all examined.
 Some of the smoke tubes of main boiler were found to be somewhat thin & have been removed. About twenty five new ones have been fitted. Four screw stays & several nuts have been renewed on account of leakage. The top sides of each furnace in the Port main boiler were found to be slightly depressed, at a distance of about half the length of furnace. This depression is only local and on the inside not sufficient to need repair, on the outside, however, a dog stay has been fitted to each furnace firmly secured by a screw & nut. One new safety valve spring fitted. Other springs slightly wasted by corrosion. Valves adjusted under steam to 65 lbs per sq inch. On account of corrosion of donkey boiler furnace crown plate at bottom of uptake a new piece of plate has been fitted, replacing the defective part.

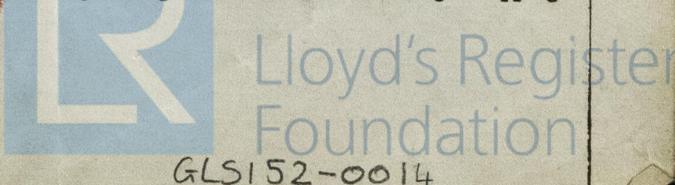
General Observations, Opinion, and Recommendation:--
 (State clearly what alteration, if any, is suggested to be made in the existing notification of the vessel's machinery in the Register Book, consequent upon this survey.)
 The above mentioned repairs to main & donkey boilers have been satisfactorily carried out, and I am of opinion the machinery of this vessel is now in good safe working condition and eligible to be classed L.M.C. 4-86 in the Register Book. Subject to the working pressure not exceeding 65 lbs per sq inch.

Office or Registration Fee (per Sec. 27) £ : :
 Survey Fee (per Section 28) £ 3 3 : -
 Special Damage Fee (per Section 28) £ : :
 *Certificate (if required) £ : :
 Travelling Expenses (if chargeable) £ : :

received by me, 30/4 1886

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

Committee's Minute
 Assigned [Signature]
 TUESDAY 4 MAY 1886



GLS152-0014

7431 Gb

It is submitted that this vessel is
eligible to have the notification
LML 4.86 recorded the boilers
being subject to survey as
particular

D.F.
3/5/86



THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.