

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

No. 11461 Date of Writing Report 21st April 1892 Port of Glasgow (Received at London Office MON. 25 APR 1892)
 No. in Reg. Book 156 Survey held at Glasgow on the Machinery of the "Pearl" Date, first Survey 3rd April Last Survey 21st April 1892
 Master Gray No. of Visits 11
 Tonnage Gross 431 Net 199 Vessel built at Paisley By whom L. Fullerton & Co. When 1885 Boilers, when made (Main) 1885 (Donkey) 1886
 Registered Horse Power 70 Engines made at Glasgow Owners N. Robertson Port Glasgow Voyage Coasting
 No. of Main Boilers One If Surveyed Afloat or in Dry Dock Both Class of Vessel & Machinery 100A1
 Steam Pressure 90 lbs. (State name of Dock.) Return to Glasgow Ship (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.)
 in Donkey Boiler 45 lbs. Last Survey No. Port

Particulars of Examination and Repairs (if any) Annual Boiler & Damage + L.M.C. 9-90
 (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

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes

Do. " Donkey " " " Yes

If this was not done, state for what reasons? ✓

And what parts of the Boilers could not be thus thoroughly examined? ✓

Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler? ✓

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes

At what pressure were they afterwards adjusted under steam? 90 lbs

Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes

To what pressure were they afterwards adjusted? Not adjusted

Repairs due to Damage. - A new propeller has been fitted, the stern bush re-lined with lignum-vital, and the shaft drawn in for examination.

Repairs due to Boiler Survey - Main boiler and mountings examined, and found in good condition generally. A patch has been fitted at bottom circular seams at both front and back shell plates, where wasted by leakage; a substantial patch has also been fitted on the port side of centre combustion chamber. The donkey boiler crown was found much pitted at joints; holes were bored, and on a satisfactory thickness of metal being found, the holes were riveted up with large headed rivets. It was considered advisable however to reduce the pressure to 45 lbs per sq inch and a new safety valve spring has been fitted. The main boiler safety valves were adjusted under steam. Engines - The H.P. piston rod turned up; new piston springs and ring; new gland bush. The L. Piston, the slide valves, pumps, all sea-cocks, all shafting examined and found in good order. To complete this survey, the donkey boiler safety valve requires to be adjusted under steam to 45 lbs per sq inch. A new crank shaft has been satisfactorily fitted on board. See foregoing Report. General Observations, Opinion, and Recommendation: ✓

(State clearly what alteration, if any, is suggested to be made in the existing classification and notification of the vessel's machinery in the Register Book, consequent upon this survey: thus, for example B.S. 1, 91, B.M.S. 1, 91, or L.M.C. 1, 91, as the case may be.)

This vessel's machinery, in my opinion, is in safe working condition and eligible to have notification in the Register Book + L.M.C. 4-92 provided the donkey boiler safety valve be adjusted under steam to 45 lbs press. per sq. inch.

Office or Registration Fee (per Sec. 27) £ :
 Survey Fee (per Section 28) £ 1 : 10 :
 Special Damage Fee (per Section 28) £ 2 : 2 :
 Travelling Expenses (if chargeable) £ : :

Fees applied for 22/4/92
 Received by me, 23/4/92

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

*State if Certificate is required

Committee's Minute TUES. 26 APR 1892

Assigned Deferred for completion



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It is submitted that this
vessel WILL BE eligible for
the record + L.M.C. 4-92 when
the safety valve of the donkey
boiler has been adjusted
under steam.

W.A.
25.4.92

