

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

(Received at London Office **FRI. 7 OCT 1898**)

Date of writing Report 3rd Oct 98 When handed in at Local Office 3rd Oct 98 Port of Glasgow
 No. in Reg. Book. 51 Survey held at Glasgow Date, First Survey 24 Sept 98 Last Survey 30th Sept 1898
 on the Machinery of the Wood, Iron or Steel S.S. Ralston Master J. H. H. H. H.
 Tonnage { Gross 232 Net 63 Vessel built at Paisley By whom McArthur & Co When 1892
 Registered Horse Power 33 Engines made at Paisley When 1892 Boilers, when made (Main) 1892 (Donkey) ✓
 No. of Main Boilers 1 Owners Paton & Leary Port Glasgow Voyage Coasting
 No. of Donkey Boilers none If Surveyed Afloat or in Dry Dock Both Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).
 Steam Pressure— in Main Boilers 120 (State name of Dock.) Leith Harbour Slipway & Lums.
 in Donkey Boilers ✓

Last Survey No. Port Docking & Completion of B.S.
 Particulars of Examination and Repairs (if any) Completed B.S.

(Periodical Surveys, when held, must be reported in detail and variation in the terms of the Rules. 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 (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. 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? Dr.

Do. " Donkey " Dr.

If this was not done, state for what reasons? Examined in C.B. report No 16106.

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? Report 16106 At what pressure were they afterwards adjusted under steam? 120 lb per sq. in.

Did the Surveyor examine the Safety Valves of Donkey Boiler? ✓ To what pressure were they afterwards adjusted? ✓

Has the propeller shaft been drawn and examined at this time? Dr. If spare propeller shaft fitted, state whether new? ✓

State the distance between lignum vitae of stern bush and top of after bearing of screw shaft? 1/16" full.

If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? Complete.

When this vessel was on slipway the propeller, aft end of stern tube, and sea cock fastenings were examined and found in order.
 Examined H.P. & L.P. cylinder pistons and valves, new rings and springs have been fitted to pistons, and machinery overhauled.
 Steam raised in main boiler and safety valves adjusted to 120 lbs per square inch.

General Observations, Opinion, and Recommendation:— The machinery of this vessel so far as seen is in good condition and is eligible in my opinion to remain as classed, with fresh record of B.S. 5.98 in register book as recommended in C.B. report No 16106.

Office or Registration Fee (per Sec. 27) £ : : Fees applied for
 Survey Fee per Section 28 £ : : 10
 Special Damage Fee (per Section 28) £ : :
 Travelling Expenses (if chargeable) £ : :
 Received by me, 10

State if Certificate is required ✓
 Committee's Minute TUES. 11 OCT 1898
 Assigned B.S. 5.98

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

Lloyd's Register
 Foundation
 615182-0086

It is submitted that
this vessel is eligible for
THE RECORD.

B. 5,98

7/10/98

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