

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

THUR. JAN 30 1896

(Received at London Office)

Date of writing Report 22nd Jan 1896 When handed in at Local Office 23rd Jan 1896 Port of Glasgow  
 No. in Reg. Book. 456 Survey held at Glasgow Date, First Survey 26th Dec 1895 Last Survey 1st Jan 1896  
 on the Machinery of the Wood, Iron or Steel S.S. Dungormell Master McDonald  
 Tonnage { Gross 284 Net 131 Vessel built at Belfast By whom McSwaine Lewis & Co When 1883  
 Registered Horse Power 50 Engines made at Belfast When 1883 Boilers, when made (Main) 1883 (Donkey) 1883  
 No. of Main Boilers 1 Owners A. F. Blacketer Port Glasgow Voyage Portsmouth  
 No. of Donkey Boilers 1 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 75 (State name of Dock.) Helminghaugh Slip & Pump dock  
 in Donkey Boilers none out of use

Last Survey No. \_\_\_\_\_ Port \_\_\_\_\_  
 Particulars of Examination and Repairs (if any) Damage and Special Survey

CHARACTER for Special Survey. Date of last Survey and of Periodical Surveys.	Year Assigned now expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>100 A1</u> <u>1-95</u>		<u>2nd L</u> <u>7-91</u> <u>BS 4-95</u>
<u>H. Del No 3 7-91</u>		

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes  
 Do. " Donkey " No  
 If this was not done, state for what reasons? Owing to the corroded condition of the Donkey, it is not to be used again  
 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? 75 lb per square inch.  
 Did the Surveyor examine the Safety Valves of Donkey Boiler? No. not to be used again  
 To what pressure were they afterwards adjusted? do do  
 Has the propeller shaft been drawn and examined at this time? Yes - Complete.  
 If the Survey is not complete state what arrangements have been made for its completion?

For damage) owing to grounding in the Clyde on the 21st December 1895 vessel placed on slipway & examined. found the propeller shaft much bent and the roses to sea cocks choked. Recommended that a new propeller shaft be fitted to propeller, all sea cocks, donkey pump, and condenser be opened up and cleared of sand, stern tube to be refitted to new stern post, stern bush relined with lignum-vitae, and all shafting lined up throughout.

For Special Survey) Examined cylinders, pistons, slide valves, all shafting, sea cocks, air, circulating bilge & feed pumps. found tail shaft bent bilge injection, and starboard engine room bilge pipes broken. New propeller shaft now fitted, and bilge pipes repaired. also HP valve spindle turned parallel and its glands lushed. (Shaft forging report attached.)

Main boiler its safety valves and mountings opened up and examined, one rivet with head broken off in shell butt strap has been drilled out and a turned bolt fitted, also a little caulking in port furnace.

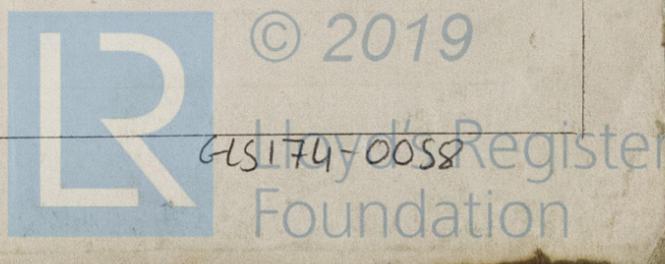
General Observations, Opinion, and Recommendation:— The machinery of this vessel (State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.: thus, for example, B.S. 4, 91, B.&M.S. 4, 91 or L.M.C. 4, 91, 140 B., F.D., &c.) so far as seen, is in safe working condition, and is eligible in my opinion to remain as classed in register book with fresh record of L.M.C. 1-96.

Office or Registration Fee (per Sec. 27)	£	3	10	0
Survey Fee (per Section 28)	£	3	3	0
Special Damage Fee (per Section 28)	£	2	18	0
Travelling Expenses (if chargeable)	£			

Fees applied for 25/11 1896  
 Received by me, 31.1.1896

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

Committee's Minute FRI, JAN 31 1896  
 Assigned + L.M.C. 1, 96 subject.



Insert Character of Ship and Machinery precisely as in the Register Book.  
 If the Survey is not complete state what arrangements have been made for its completion.  
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