

No. 114416

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

SAT. MAY 16 1896

(Received at London Office)

Date of writing Report 14th May 1896 When handed in at Local Office 14th May 1896 Port of Glasgow

No. in Reg. Book 537 Survey held at Glasgow Date, First Survey 8th May Last Survey 13th May 1896

on the Machinery of the Wood, Iron or Steel S.S. Borghese Master J. Tierney
Tonnage Gross 2044 Net 1331 Vessel built at Sunderland By whom D. Pile & Co When 1870

Registered Horse Power 230 Engines made at Glasgow When 1882 Boilers, when made (Main) 1882 (Donkey) 1886
No. of Main Boilers 2 Owners Raeburn & Beir Port Glasgow Voyage Ancona - Venice
No. of Donkey Boilers 1
Steam Pressure in Main Boilers 80 If Surveyed Afloat or in Dry Dock Afloat
in Donkey Boilers 60 (State name of Dock) Queens

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

| CHARACTER. * for Special Survey. Date of last Survey and of Periodical Surveys. | Years Assigned how expired. | Machinery and Boiler Surveys (including date of N.B., if any). |
|--|--------------------------------------|--|
| * 100 A1 8-94 S Chms. 5-91 | | * LMC 4-91 * KE-B 8-2 BS 2-95 |

Last Survey No. 14273 Port Gls

Particulars of Examination and Repairs (if any) Special

(Periodical Surveys, when held, must be reported in detail and serially 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? No

Do. " Donkey " Yes

If this was not done, state for what reasons? Main boiler examined (see Ch report to 14273)

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? ✓

At what pressure were they afterwards adjusted under steam? Yes

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

To what pressure were they afterwards adjusted? 60 lb per square inch

Has the propeller shaft been drawn and examined at this time? No

If the Survey is not complete state what arrangements have been made for its completion? Is complete the Survey the propeller shaft requires to be drawn in, and the main injection valve opened up and examined. This to be done at first docking of the vessel, no time stated.

Examined the tunnel & crank shafting. found a flaw in forward web of after crank shaft. flaw extending about half way through web. recommended a new shaft to be fitted. A new spare shaft which was in hold has now been fitted. (Examined new shaft but could find no certificate mark or name). Shaft is stated to be on board eleven years, but has never been used, as there were no key seats for eccentrics in same, and new coupling bolt holes had to be bored.

Examined the donkey boiler and its safety valves and mountings found same in good condition. Steam raised in same and the safety valves adjusted to 60 lb per sq inch.

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, 5, 6, B.&M.S. 1, 2, 3 or L.M.C. 1, 2, 3, 4, 5, 6, F.D., &c.)

so far as seen is in good condition, and is eligible in my opinion to remain as classed in register book, with fresh record of * LMC 3-96. when the survey is completed. (as recommended in Ch report to 14273).

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| Office or Registration Fee (per Sec. 27)..... | £ | : | : | Fees applied for |
| Survey Fee (per Section 28)..... | £ | : | : | 18 |
| Special Damage Fee (per Section 28)..... | £ | : | : | |
| Travelling Expenses (if chargeable)..... | £ | : | : | Received by me, |
| | | | | 18 |

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

* State if Certificate is required TUES. MAY 19 1896 FRI. AUG 14 1896

Committee's Minute Assigned Deferred for completion of work

write Owners 19.5.96 Spl.