

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

MON. MAR 2 1896

Date of writing Report 29 Feb 96 is 96 When handed in at Local Office Glasgow is 18 Port of Glasgow
 No. in Reg. Book 22 Survey held at Glasgow Date, First Survey Jan 96 Last Survey 22 Feb 96 1896
 on the Machinery of the Wood, Iron or Steel S. S. "Queen Victoria" Master G. J. Men
 Tonnage { Gross 297 Net 149 1/2 Vessel built at Glasgow By whom Stephen Rous When 1887-1
 Registered Horse Power 182 Engines made at " When 1887 Boilers, when made (Main) 1892 (Donkey) 1887
 No. of Main Boilers One Owners J. Rous & Sons Port Glasgow Voyage S. Africa
 No. of Donkey Boilers One If Surveyed Afloat or in Dry Dock Both - Govan (State name of Dock.)
 Steam Pressure in Main Boilers 160 lbs in Donkey Boilers 60 lbs

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).
<u>+100 A1</u>		<u>+L.M.C</u>
<u>7-94</u>		<u>9-92</u>
<u>35. Bly 2-1-91</u>		<u>+N.B. 9-92</u>

Last Survey No. _____ Port _____
 Particulars of Examination and Repairs (if any) Damaged

(Periodical Surveys, when held, must be reported in detail and seriatim 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? 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? 100 lbs
 Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes
 To what pressure were they afterwards adjusted? Not adjusted
 Has the propeller shaft been drawn and examined at this time? Yes
 If the Survey is not complete state what arrangements have been made for its completion? To be completed at Liverpool, to which port

the vessel has sailed - Liverpool Surveyors advised.

Repairs due to Damage, See Damage Survey Report: - New propeller and four new blades fitted; tunnel and crank shaft examined; I.P & L.P. cylinders pistons slide valves and valve gear examined; new H.P. piston junk floating and two new packing rings fitted; the condenser and circulating pump examined.

Main boiler common tubes and three stay tubes renewed, the remainder cleared of salt, and expanded; all internal surfaces scaled and cleaned; on completion, the boiler tested by hydraulic to 240 lbs per sq.

Donkey Boiler firebox found bulged at seven places adjacent to the line of fire-bars, caused by overheating, and scale on the inside of the plate; attempts to pack these bulges back failed owing to the thickness of the firebox plating; consequently seven screwed stays were fitted at these points, and the working pressure reduced from 70 lbs to 60 lbs per sq.

Repairs due to other causes: - Sea-cocks and pumps examined; new propeller shaft fitted; thrust rings re-metalled, and other minor repairs. New stop valve to Donkey

General Observations, Opinion, and Recommendation: - This vessel's machinery is now

in safe working condition, and in my opinion will be eligible to have record +L.M.C. 2 96 in the Register Book, when the safety valves of the Donkey Boiler are adjusted under steam.

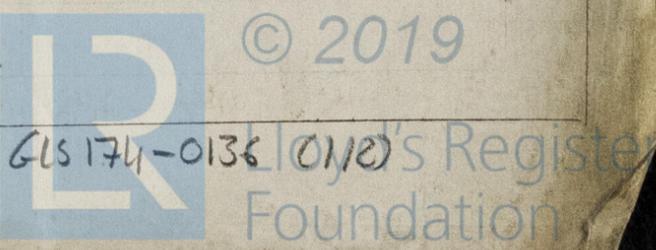
Office or Registration Fee (per Sec. 27) £ _____
 Survey Fee (per Section 28) £ _____
 Special Damage Fee (per Section 28) £ 4 16 "
 Travelling Expenses (if chargeable) £ _____

Fees applied for 24/21 1896
 Received by me, 29/2/1896

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

*State if Certificate is required _____
 Committee's Minute TUES. MAR 3 1896
 Assigned Deferred for completion

TUES. MAR 10 1896



State if a Report is also now sent to the Registrar of Shipping, and when, one will be sent.

Insert Character of Ship and Machinery precisely as in the Register Book.

Glasgow

S.S. Queen Victoria

Cowboys

Boiler fitted; blow-off cock shifted 18" lower down; new test
cock fitted

Main boiler lifted to permit repairs to tank top to be effected; all
circuler seams caulked, and new chocks to bottom of boiler fitted.

Steam raised on main boiler, on completion of repairs, and found
satisfactory on examination.

R. J. Bennett