

No. 13863

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

(Received at London Office)

Date of writing Report 9th August 1895 When handed in at Local Office 9th August 1895 Port of Glasgow SAT. 10 AUG 1895

No. in Reg. Book 786 Survey held at Glasgow Date, First Survey July 30th Last Survey August 4th 1895

on the Machinery of the Wood, Iron or Steel S.S. Clan Stuart Master D. Smith

Tonnage { Gross 2094 Net 1355 Vessel built at Dumbarton By whom A.M. Millan & Son When 1879 2

Registered Horse Power 214 Engines made at Glasgow When 1879 Boilers, when made (Main) 1879 (Donkey) 1889

No. of Main Boilers 1 Owners Baynes Irvine & Co Port Glasgow Voyage Cape Town

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 160 (State name of Dock.) Headwide & Queens

in Donkey Boilers 80

Last Survey No. _____ Port _____

Particulars of Examination and Repairs (if any) Annual

(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 in 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.)

CHARACTER for Special Survey. Date of last Survey and of Periodical Surveys.	Year Assigned now or expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>100 A1</u> <u>2-95</u>		<u>L.M.C.</u> <u>6.94</u> <u>h.B. 10.89.</u>

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? 160 lb per sq"

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? no

If the Survey is not complete state what arrangements have been made for its completion? To complete the survey the donkey boiler safety valves require adjusting, and the repairs effected here examined under steam, the vessel has sailed for Liverpool and the Surveyors have been notified.

The machinery was opened up throughout, and the cylinders pistons slide valves & faces, pumps, and all shafting (excepting propeller shaft) it having been examined last February.

Main boiler and its safety valves opened up and examined.

Donkey boiler, and its safety valves opened up and examined, found a portion of shell plating in steam space, corroded to about 3/16" thick, also the seven steam space stays much wasted. The corroded portion of shell plating about 3-9" x 22", and the seven stays have been cut out, and new plate and stays fitted.

When this vessel was in dry dock the sea cocks were opened up, propeller and its fastenings examined.

General Observations, Opinion, and Recommendation:— The machinery of this vessel is now in good condition, and is eligible in our opinion to remain as classed, with fresh record of L.M.C. 8.95 in register book.

(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, bollocks, working pressures, &c.: thus, for example, B.S. 4, 04, B.&M.S. 4, 04 or L.M.C. 1, 04, 140 lb., F.D., &c.)

Office or Registration Fee (per Sec. 27)..... £	Fees applied for
Survey Fee (per Section 28)..... £ 1, 19 : :	<u>4/8</u> 18 <u>95</u>
Special Damage Fee (per Section 28)..... £	Received by me,
Travelling Expenses (if chargeable)..... £	<u>9/8</u> 18 <u>95</u>

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

*State if Certificate is required _____ TUES. 13 AUG 1895 TUES. JAN 21 1896 TUES. JUL 14 1896

Committee's Minute _____
Assigned Deferred



State if it is also in the Main Book, or if not, whether, and when, any will be

*Certificate to be obtained from the Registrar of Shipping and Machinery

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