

12145

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

No. 12145 Date of Writing Report 13th April 1893 Port of Glasgow (Received at London Office SAT 15 APL 1893)
 No. in Reg. Book 486 Survey held at Addressan & Helbald Date, first Survey 21 March 1892 Last Survey 7th April 1892
 on the Machinery of the S.S. "C. Helbald" Master W. J. [unclear] No. of Visits 4
 Tonnage Gross 658 Net 423 Vessel built at Belfast By whom Workman Clark & Co. 1886-8
 Registered Horse Power 95 Engines made at Glasgow When 1886 Boilers, when made (Main) 1886 (Donkey) 1886
 No. of Main Boilers one Owners Macgregor & Co. Ltd. Port Glasgow Voyage Barran
 Steam Pressure in Main Boilers 155 lbs Surveyed Afloat or in Dry Dock Both Addressan Dock
 in Donkey Boiler 80 lbs (State name of Dock.)
 Class of Vessel & Machinery 100A1
 (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey)

Last Survey No. _____ Port _____

Particulars of Examination and Repairs (if any) Annual Boiler
 (State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examination and subsequent repairs.) Repairs on account of Damage should be separated from Repairs due to other causes. 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? 155 lbs
 Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes
 To what pressure were they afterwards adjusted? 80 lbs

Repairs due to Annual Boiler Survey: - Main and donkey boilers examined, and found in good condition generally; some parts of the sides and backs of the combustion chambers are somewhat affected by corrosion; the sides of the furnaces are also similarly affected but not to a serious extent.

The following repairs have been done at this time: - Patch fitted at the knuckle of centre furnace, port side, and several rivets renewed in a similar patch on starboard side; several screwed stays to back bottom renewed.

Donkey boiler examined, and found in good order.

Repairs due to Damage, - See Damage Survey Report: - Propeller taken off, refitted, and two damaged blades replaced by new ones; shaft drawn in and examined; sea-cocks overhauled; condenser cleaned, and the tubes re-packed; hold suction pipes cleared and repaired; air & circulating pumps overhauled.

General Observations, Opinion, and Recommendation: - In our opinion, this vessel's machinery, as far as seen, is in safe working condition, and eligible to have record B.S. 4-93 in the Register Book.

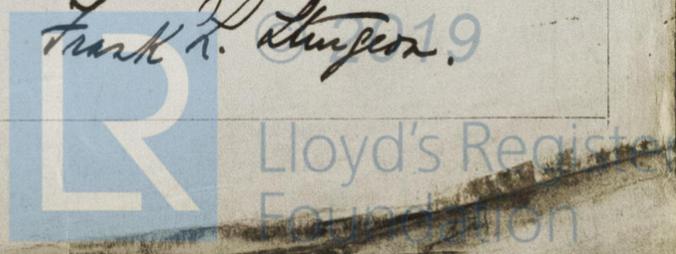
Office or Registration Fee (per Sec. 27)	£ " " "	Fees applied for
Survey Fee (per Section 28)	£ 1 10 "	<u>13/4</u> 1893
Special Damage Fee (per Section 28)	£ 2 2 "	
Travelling Expenses (if chargeable)	£ 1 14 "	Received by me, <u>14/4</u> 1893

R. A. Dewar Henry E. Pitson
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 Glasgow
Frank R. Simpson

*State if Certificate is required _____
 Committee's Minute TUES. 18 APL 1893
 Assigned B.S. 4, 93

Sit. of the Surveyor and when, one u. 11 on 1893.
 Certificate to be...
 Transfers Ink - 5,000, 18/9/94.
 Regs are requested not to write on or below the space for Committee's Minute.

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



It is submitted that
vessel is eligible for
RECORD B.S. 4. 93

12/14/93

K.P. - If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or cause it to show through to the other side.

On account of wear & tear upon
moderate extent have been
done to the main boiler -
In account of damage by
grounding the shafting,
pumps, etc works & connections
damaged, & two new
was fitted to the
boiler -

13/4/93



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THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGINS