

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

12835

No. 12325 Date of Writing Report June 1893 Port of Glasgow
 No. in Reg. Book 1199 Survey held at Glasgow Date, first Survey 9th June Last Survey 1st July 1893
 on the Machinery of the S.S. Chilean Master Mackenzie No. of Visits 3
 Gross 2154 Vessel built at Glasgow By whom Lindsay & Glasgow When 1871-7
 Net 1445 Engines made at Belfast When 1871 Boilers, when made (Main) 1886 (Donkey) one
 Registered Power 100 Owners Mackintosh & Gray Port Glasgow Voyage Black Sea
 Main Boilers two If Surveyed Afloat or in Dry Dock _____ Class of Vessel & Machinery +100A1
 Main Boilers 100 (State name of Dock.) _____ (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.) 11-92
 Donkey Boiler _____

(Received at London Office TUES. 11 JUL 1893)

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

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 Examinations and subsequent Repairs.) Repairs on account of Damage should be separated from others 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 not done, state for what reasons? ✓
 What parts of the Boilers could not be thus thoroughly examined? ✓
 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
 To what pressure were they afterwards adjusted under steam? 150
 Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes
 To what pressure were they afterwards adjusted? 55

The main and donkey boilers were opened up for survey, and on examination over all parts were found in fair condition, Port being furnace of main boiler & entire furnace of Port boiler being cut out on account of old cracks which were found to be extending back of combustion chamber found to be buckled and stays sagging. Compensating ring on Port boiler worked. Donkey boiler top of combustion chamber slightly down but not to a dangerous amount, and showed no signs of weakness at 100 lbs per sq inch water pressure.

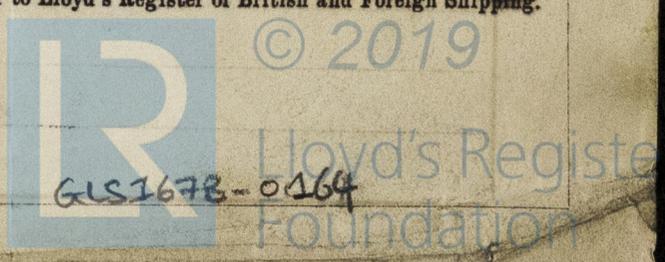
Two ribbed furnaces have been fitted in the main boilers, which were afterwards tested by hydraulic pressure and under steam and found satisfactory.

General Observations, Opinion, and Recommendation:— As far as seen the machinery of this vessel is in a safe working condition and eligible in our opinion for the record B.S. 7. 93
 (State clearly what alteration, if any, is suggested to be made in the existing classification and notification of the vessel's machinery in the Register Book, consequent upon this survey, thus, for example, B.S. 1,89, B.&M.S. 1,89, or L.M.C. 1,89, as the case may be.)

Office or Registration Fee (per Sec. 27) £ : :
 Survey Fee (per Section 26) £ 2 : :
 Special Damage Fee (per Section 28) £ : :
 Travelling Expenses (if chargeable) £ : :
 Fees applied for 8/4 93
 Received by me, 8/4 93

A. McKeand & C. Brown
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

* State if Certificate is required _____
 Committee's Minute FRI 14 JUL 1893
 Assigned B. D. Y. 93



N.B.—If this Report is copied by Copying Press, special 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.

It is submitted that
this vessel is eligible for
THE AEOU B.S. 7-93

On each of these vessels
two new furnaces were fitted
and a few repairs were
effected to the boilers

11-1-93
12325/93

The main and auxiliary boiler were repaired
and the machinery was overhauled
and the vessel was found to be in a
sound condition and ready to receive
passengers and cargo. The vessel was
found to be in a sound condition
and ready to receive passengers and
cargo. The vessel was found to be
in a sound condition and ready to
receive passengers and cargo.

1893
11-1-93
12325/93
11-1-93
12325/93

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN