

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

No. **10621** Date of Writing Report **18** Port of **Glasgow**
 No. in Reg. Book. **194** Survey held at **Glasgow** Date, first Survey **16th April** Last Survey **April 18th 1891**
 on the Machinery of the **S.S. Sandringham** Master **No. of Visits 2**
 Tonnage { Gross **1159** Net **738** Vessel built at **Middlesbrough** By whom **Backhouse & Dixon** When **1872** YEAR. MONTH. **4**
 Registered Horse Power **120** Engines made at **W. Hartlepool** When **1872** Boilers, when made (Main) **1881** (Donkey) **1881**
 No. of Main Boilers **one** Owners **Gurnbull Martin & Co** Port **Glasgow** Voyage
 Steam Pressure in Main Boilers **70 lbs** If Surveyed Afloat or in Dry Dock **Afloat** Class of Vessel & Machinery **A1, 13.90**
 in Donkey Boiler **60 lbs** (State name of Dock.) **Queens** (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey) **NB, 81**
 Last Survey No. **10120** Port **Glasgow** **BS 4.90**

Particulars of Examination and Repairs (if any) **Annual**
 (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 Repairs due to other causes. State also the dates and initials of any letters respecting this case

Did the Surveyor personally go inside each Boiler separately (including the Donkey Boiler, if any), and make a thorough examination at this time? **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?

The main boiler was opened up and examined throughout, the front of ~~S. King~~ furnace was found cracked through the centre of rivet holes to the extent of seven inches recommended that the defective part be cut out and a patch fitted; which has been done in a satisfactory manner. The safety valves were overhauled examined and with the other parts of the boiler found to be in good order.

The donkey boiler with its safety valves were opened up and upon examination found to be in good order.

Steam was raised in both main and donkey boilers, and safety valves adjusted to their safe working pressures.

General Observations, Opinion, and Recommendation :—

(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.)

The machinery of this vessel, as far as seen appears to be in good working order, and in my opinion eligible to remain as classed with the notification **BS 4.91** in the Register Book

| | | | | |
|---|---|---|----|------------------|
| Office or Registration Fee (per Sec. 27)..... | £ | : | : | Fees applied for |
| Survey Fee (per Section 28)..... | £ | 1 | 10 | 20/4 1891 |
| Special Damage Fee (per Section 28)..... | £ | : | : | |
| *Certificate (if required) as per margin..... | £ | : | : | Received by me, |
| Travelling Expenses (if chargeable)..... | £ | : | : | 21/4 1891 |

James Harvey
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute **FRI. 24 AFL 1891**

Assigned **B.S. 4/91**

B.S.

GLS262-0053

State if a Report is also now sent on the Ship or if not whether, and when, one will be sent.

* Certificate to be sent to

T. & S. Form No. 9—Transfer Ink—6000, 9/12/89
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

Insert Character of Ship and Machinery specified in the Register Book.

10621-96

N.B.—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.

It is submitted that this vessel is
eligible for the vessel B.S. 491
22.4.91
C.P.P.



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THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.