

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

WED 15 MAY 1895

(Received at London Office)

Date of writing Report May 14 18 95 When handed in at Local Office London 18 95 Port of London
No. in Reg. Book 150 Survey held at London Date, First Survey Feb. 27 Last Survey May 13 1895
150 on the Machinery of the Wood, Iron or Steel S.S. "HAWARDEN CASTLE" Master W. H. H. H.
Tonnage { Gross 4380 Net 2556 Vessel built at Glasgow By whom J. Elder & Co. When 1883 Boilers, when made (Main) 1891 (Donkey) 1891
Registered Horse Power 850 Engines made at Do. Owners D. Lurie & Co. Port London Voyage Natal
No. of Main Boilers 3 No. of Donkey Boilers 1 If Surveyed Afloat or in Dry Dock James L. & East India Dock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).
Steam Pressure in Main Boilers 160 lbs. in Donkey Boilers 80 lbs.

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

CHARACTER. * for Special Survey. Date of last Survey and of Periodical Surveys.	Years Assigned from expiry.	Machinery and Boiler Surveys (including date of N.B., if any).
* 100 R. 1. 12. 94		* N.B. 7. 91
55 G.S. No 3. 7. 91		* L.M.C. 7. 91

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 lbs.
Did the Surveyor examine the Safety Valves of Donkey Boiler? Yes.
To what pressure were they afterwards adjusted? 80 lbs.
If the Survey is not complete state what arrangements have been made for its completion? Completed

Examined Main & Donkey Boilers internally & externally & safety valves, also Cylinders, Pistons, Slide Valves, Pumps & Condenser, Shafting, propeller Sea & bridge connections and fastenings, all found to be in good condition except the L.P. Piston which was found to be cracked round the cone. Repairs. A new L.P. Piston has now been fitted.

The Safety valves were adjusted under steam.
The tail end shaft was last examined in May 1894. & it was not considered necessary to draw it again at this survey.

General Observations, Opinion, and Recommendation:— This vessel's Machinery is now in good condition & in our opinion the vessel is eligible for record * L.M.C. 5. 95.
(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, boilers, working pressures, &c.: thus, for example, B.S. 4.01, B.M.S. 4.01 or *L.M.C. 4.01, 149 lb., F.D., &c.)

Office or Registration Fee (per Sec. 27).....	£ : :	Fees applied for
Survey Fee (per Section 28).....	£ 5 10 0	15 5 18 95
Special Damage Fee (per Section 28).....	£ 0 0 0	
Travelling Expenses (if chargeable).....	£ 4 19 -	Received by me, 30/3/95

A. C. P. M. Salmon
R. Elliott
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

* State if Certificate is required -
Committee's Minute FRI 17 MAY 1895
Assigned + L.M.C. 5. 95

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

16-LAPH-Report No. 8-Transfer Ink-5,000, 3/4/95.
(The Surveyors 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.



On acct of tear & wear
A new L.P. piston was fitted

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 RECORD + L.M.C 5-95

N.A.
15-5-95

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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