

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

(Received at London Office MON. 14 SEP 1896)

Date of writing Report 12<sup>th</sup> Sept 1896 When handed in at Local Office 14<sup>th</sup> Sept 1896 Port of London

No. in Reg. Book 165 Survey held at London Date, First Survey and Last Survey 16<sup>th</sup> Sept 1896  
(No. of Visits 2)  
on the Machinery of the Wood, Iron or Steel S.S. "Hawarden Castle" Master A. Rigby

Tonnage { Gross 4382 Vessel built at Glasgow By whom J. Elder & Co When 1883 MONTH 1  
Net 2556

Registered Horse Power 831 Engines made at " When '83 Boilers, when made (Main) '91 (Donkey) '91  
No. of Main Boilers 3 Owners J. Currie & Co Port London Voyage of G. Hope  
No. of Donkey Boilers 1

Steam Pressure in Main Boilers 160 lb If Surveyed Afloat or in Dry Dock Green Dry Dock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Last Survey No. Port

Particulars of Examination and Repairs (if any)  
*(Periodical Surveys, when held, must be reported in detail and seriatim 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 since last survey expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>100 A1. 7-95</u>	<u>+</u>	<u>L.M.C. 5-95</u>
<u>S.S. Glas 103.7-91</u>	<u>+</u>	<u>N.B. 7-91</u>

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time?  
Do. " Donkey " " " "

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?

At what pressure were they afterwards adjusted under steam?

Did the Surveyor examine the Safety Valves of Donkey Boiler?

To what pressure were they afterwards 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? Complete.

How done: Propeller, Stern-bush, and outside fastenings of all Sea Connections examined and found in good condition.

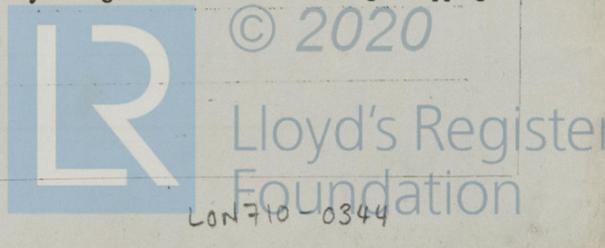
## General Observations, Opinion, and Recommendation:—

*(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. 9,95, B.&M.S. 9,95 or L.M.C. 9,95, 140 lb, F.D., &c.)*  
The Machinery of this vessel, so far as now examined is in good condition and, in my opinion, eligible to remain as classed without fresh records.

	£	s	d	Fees applied for
Office or Registration Fee (per Sec. 27)				18
Survey Fee (per Section 28)				
Special Damage Fee (per Section 28)				
Travelling Expenses (if chargeable)				18
				Received by me,

J. Ritchie  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

\*State if Certificate is required  
Committee's Minute Assigned  
FRI. SEP 25 1896



Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?  
2015-24/2/2015-Transfer Ink.  
(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.

