

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

(Received at London Office)

MON. FEB. 10 1896

Date of writing Report *7 Feb'y 1896* When handed in at Local Office *8 Feb'y 1896* Port of *London*
 No. in Reg. Book. *337* Survey held at *London* Date, First Survey *16 Jan'y* Last Survey *5 Feb'y 1896*
 on the Machinery of the *Wood, Iron or Steel* *S. S. Norham Castle* Master *A. Dulem.*
 Tonnage { Gross *4392* Net *2557* Vessel built at *Glasgow* By whom *J. Elder & Co* When *1883* YEAR. MONTH.
 Registered Horse Power *831* Engines made at *"* Owners *J. Currie & Co* Port *London* Voyage *C of G. Stope.*
 No. of Main Boilers *3* No. of Donkey Boilers *1* Steam Pressure—
 in Main Boilers *160 lb* If Surveyed Afloat or in Dry Dock *Afloat*
 in Donkey Boilers *80* (State name of Dock.)

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

| CHARACTER. | Assigned now or expired. | Machinery and Boiler Surveys (including date of N.B., if any). |
|------------------------------------------------|--------------------------|----------------------------------------------------------------|
| For Special Survey. | | |
| Date of last Survey and of Periodical Surveys. | | |
| | | |

Last Survey No. *2nd* Port *London*Particulars of Examination and Repairs (if any) *(2nd) S. S. Norham Castle + 100 AT 898 + LUC. 10'91*

(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.)

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?

Survey complete.
Now done: Cylinders, Pistons and Slide Valves examined, a new Liner fitted to H.P. Cylinder. All Pumps and the Condenser examined and found satisfactory. Crank, Thrust and Main Shaft in good Condition. Pumping Arrangement, Steels, and W.P. Doors in Satisfactory Condition. Propeller, Stern-bush, Sea Connections, and their fastenings, examined and found good. Main Boilers examined throughout and found to be generally in good Condition. Donkey Boiler also examined. The same is now in Satisfactory Condition. All Safety Valves adjusted under Steam as above.

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 is now in good condition and in our opinion eligible to remain as Classed with fresh record of LUC. 10'91.

Office or Registration Fee (per Sec. 27)..... £ : :
 Survey Fee (per Section 28)..... £ *5:10*
 Special Damage Fee (per Section 28)..... £ : :
 Travelling Expenses (if chargeable)..... £ *4:19*

Fees applied for

13/2/1896

Received by me,

24/2/1896

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

*State if Certificate is required

Committee's Minute

Assigned

FRI. FEB 14 1896

+ LUC. 10'91

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LON+08-0048