

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

(Received at London Office)

APR 17 1899

Date of writing Report 15 April 1899 When handed in at Local Office 15 April 1899 Port of London

No. in Reg. Book 1280 1202 Survey held at London Date, First Survey 3 Feb'y Last Survey 3 April 1899

Tonnage Gross 493 Net 271 Vessel built at Sunderland By whom Wm J. B. Co. When 1886 Master Bennett

Registered Horse Power 80 Engines made at " When 86 Boilers, when made (Main) 86 (Donkey) 86

No. of Main Boilers 1 Owners Sawers, Sons, & Dalley Port London Voyage Baltic Port

No. of Donkey Boilers 1 If Surveyed Afloat or in Dry Dock Afloat - S.C. No. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Steam Pressure in Main Boilers 80 lbs in Donkey Boilers 45

Last Survey No. " Port "

Particulars of Examination and Repairs (if any) B.S.

(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 expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>100 A. 6-98</u>	<u>100 A. 6-98</u>	<u>L.U.C. 3-98</u>
<u>SS Lon No 36-98</u>		

Did the Surveyor personally go inside one 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. To what pressure were they afterwards adjusted under steam? 80 lbs

Did the Surveyor examine the Safety Valves of Donkey Boiler? yes. To what pressure were they afterwards adjusted under steam? 45 lbs

Has the propeller shaft been drawn and examined at this time? no If spare propeller shaft fitted, state whether new? "

State the distance between lignum vitae of stern bush and top of after bearing of screw shaft? "

If the Survey is not complete state what arrangements have been made for its completion and what remains to be done? Complete except to see

Exhaust Pipe fitted to safety valves of Donkey Boiler. This to be done in three weeks time and the safety valves of this Boiler re-adjusted now done. Main Boiler examined throughout and found to be leaky and defective in way of shell bottom at seams and also at back plating of cornish chambers in way of stay, also found slight bulging between above stay. Now done. Boiler turned over and bottom shell seams repaired as under. Fore seam efficiently repaired by a Rivet patch coming part over the front end plate. Mid seam also efficiently repaired and back seam fitted with a doubling plate over the shell and the end connection. After Repair this Boiler satisfactorily tested by W.P. to 80 lbs per square inch and its Safety Valves adjusted under steam to above reduced W.P. all leaky stays in Cornish chamber and in way of the bulging now renewed and made good. Donkey Boiler examined. This Boiler is now found

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, 97, B.&H.S. 9, 97 or S.L.M.C. 9, 97, 140 lb., F.D., &c.)

The Machinery of this vessel so far as now seen is in good order and in my opinion eligible to remain as now classed with fresh record of B-S-4 '99. When this survey is completed.

Office or Registration Fee (per Sec 27)..... £	Fees applied for
Survey Fee (per Section 28)..... £ 1. 10	<u>22/4 18 99</u>
Special Damage Fee (per Section 28)..... £ 1. 7	Received by me,
Travelling Expenses (if chargeable)..... £	<u>24/5 18 99</u>

State if Certificate is required "

Committee's Minute Deferred.

Assigned Deferred.

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



TUES. 5 SEP 1899

TUES. 25 APR 1899

Lloyd's Register Foundation

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

5,000-18/10/98.—Transfer ink.

Insert Character of Ship and Machinery precisely as in the Register Book. *Certificate to be sent to

60954. Jan

found to be slightly weakened by wear and tear but is still in fair order. After examination it was tested by water pressure to thirty pounds pressure per sq. inch and found satisfactory.

It is respectfully recommended that the pressure upon this boiler should not exceed forty-five pounds per sq. inch when a proper exhaust pipe is fitted and the safety valves of this Donkey Boiler has had its safety valves adjusted under steam by one of the Society's Engineer Surveyors to a pressure not exceeding forty five (45) lbs per square inch.

J. P. Ritchie

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.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

P.S. done 3.99 to be completed in 3 weeks time.

Main + Donkey Boilers examined Moderate repairs now done to Main B.

It is submitted that this vessel WILL BE eligible for the record. B.S. 4.99. when the donkey boiler safety valves have been adjusted under steam to 45 lbs per sq. inch. The waste steam pipe from the M.B. pressure to be noted. 80 lbs working pressure. D.B. 45 " "

A.C.H.
22.4.99.



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