

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

(Received at London Office)

1UES. 23 MAR 1909

Date of writing Report March 9th 1909 When handed in at Local Office 19 Port of SAN FRANCISCO
 in Survey held at San Francisco Date, First Survey Feb. 11th Last Survey Feb. 21st 1909
 Book. Sup. on the Machinery of the Wood, Iron or Steel S.S. "NIAGARA", Master A. Schau
 Gross 6655 Vessel built at Flensburg By whom Flensburg Schiffsb. Ges. When 1908 MONTH 7
 Net 4119 Engines made at Flensburg By whom Flensburg Schiffsb. Ges. When 1908
 Registered 620 Boilers, when made (Main) 1908 (Donkey) 1908
 Power of Main Boilers 3 Owners Deutsch-Amerik. Petroleum Ges. Port Hamburg. Voyage Orient.
1 If Surveyed Afloat or in Dry Dock Afloat. Particulars of Classification (which must be inserted
 (State name of Deck.) precisely as in Register Book & Supplements).

No. 215 Port 180

of Examination and Repairs (if any)

When held, must be reported in detail and serialim in the terms of the Rules. State clearly the nature and extent of examinations and subsequent repairs. Repairs on the cause of which must be stated should be separated from repairs due to other causes; and in the body of the report, should be briefly summarized at the end of the report. State also the nature of any letters respecting this case.

Where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were not accepted. Also whether any damage report was made, and, if so, by whom? no report.

Personally go inside each Main Boiler separately and make a thorough examination at this time? ☒

" Donkey " " " ☒

state for what reasons? ☒

The Boilers could not be thus thoroughly examined? ☒

Means, in the absence of internal examination, were adopted by the Surveyor to ensure himself of the thorough efficiency of those parts of each Boiler? ☒

Examine the Safety Valves of the Main Boiler? ☒

To what pressure were they afterwards adjusted under steam? ☒

Examine the Safety Valves of Donkey Boiler? ☒

To what pressure were they afterwards adjusted under steam? ☒

Examine all the manholes, doors and their fastenings of the Main Boilers? ☒

and of the Donkey Boiler? ☒

Examine the drain plugs of the Main Boilers? ☒

and of the Donkey Boiler? ☒

Examine all the mountings of the Main Boilers? ☒

and of the Donkey Boiler? ☒

Have the Main Boilers now been drawn and examined? ☒

Is it fitted with continuous liner? ☒

or two liners? ☒

or is it without liners? ☒

Have the Donkey Boilers been changed? ☒

If so, state reasons ☒

Have the Donkey Boilers been fitted new? ☒

Has it a continuous liner? ☒

or two liners? ☒

or is it without liners? ☒

Is there any space between lignum vitae of stern bush and top of after bearing of screw shaft? ☒

Does not complete state what arrangements have been made for its completion and what remains to be done? ☒

Survey on installation of system for burning liquid fuel. The vessel has been equipped with oil pumps and oil heaters of sufficient capacity in duplicate, with all necessary valves, being connected to cross bunker and cofferdam as shown on drawing sent herewith. An evaporator of the capacity of 30 tons is now fitted on board, and an additional supply of fresh water is provided in the D.B. tanks under engines and boilers to make up the fresh water used in atomizing the steam. Copper heating coils have been fitted round the suction pipe for use in extremely cold weather, and all drains from coils and oil heaters are led into an open tank as per rule. The installation was examined while being fitted and subsequently tested under working conditions and entirely satisfactory.

Local Observations, Opinion, and Recommendation:—

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. 2, 07, B.&M.S. 2, 07, or L.M.C. 2, 07, 140 lb., F.D., &c.

In my opinion this vessel is eligible to remain as now classed in the Register Book, ~~from~~ record of "Fitted for liquid fuel" 2-09.

(per Section 28) £ 5, - , - Fees applied for
 Damage or Repair Fee (if any) £ : : Feb. 23, 1909
 (per Section 28.) Received by me,
 Expenses (if chargeable) £ : : Mar. 6, 1909

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

Committee's Minute FRI. 26 MAR 1909

igned As per

Fitted for liquid fuel 2.09



Lloyd's Register
Foundation

W594-0148

complete installation for
burning liquid fuel
fitted on board & tested
under working conditions

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 to cause it to show through to the other side.

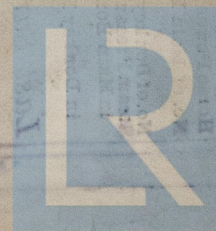
It is submitted that
this vessel is eligible for
THE RECORD.

fitted for liquid fuel 2.09

J.R.S.

A.G.D.
24/3/09

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.



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