

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

(Received at London Office WED. 4 APL 1900)

Date of writing Report 31 March 1900 When handed in at Local Office 31/3/1900 Port of Hull

Survey held at Hull Date, First Survey Dec. 20/99 Last Survey Mar 28 1900

on the Machinery of the ~~Wood, Iron or Steel~~ *Manu Cazengo* Master *Rin*

Gross 2889 Net 1971 Vessel built at Hull By whom *Barbi & Co Ltd* When 1889 9

Engines made at Hull When 1889 Boilers, when made (Main) 1900 (Donkey) 1889

Owners *Empresa Nacional* Port Hull Voyage *Hamburg*

If Surveyed Afloat or in Dry Dock *both afloat & in* Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

st Survey No. Port

Particulars of Examination and Repairs (if any) *New Boilers*

Medical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly 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 details being detailed in the body of the report, should be briefly summarised at the end of the report. State also the date 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? *New*

Do. " " Donkey " " " " *Yes*

Was a thorough examination of the Boilers not done, state for what reasons? *Yes*

What parts of the Boilers could not be thus thoroughly examined? *Yes*

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? *Yes*

Did the Surveyor examine the Safety Valves of the Main Boiler? *Yes* To what pressure were they afterwards adjusted under steam? *165 lb*

Did the Surveyor examine the Safety Valves of Donkey Boiler? *Yes* To what pressure were they afterwards adjusted under steam? *80 lb*

Has the propeller shaft been drawn and examined at this time? *Yes* If spare propeller shaft fitted, state whether new? *-*

What is the distance between lignum vitae of stern bush and top of after bearing of screw shaft? *3/16 inch*

Is the Survey not complete state what arrangements have been made for its completion and what remains to be done? *-*

*New Main Boilers were fitted in place as per approved tracing and report attached. The old safety valves main and donkey stop valves overhauled and refitted all the other Boiler mountings new. The Main Steam pipes all tested and the dead bottom of pipes refitted or renewed as required. The safety valves adjusted to 165 lbs per square inch.*

*The Donkey Boilers examined throughout. Two permanent stopper fitted in tubes and ten rivets in furnace renewed. The safety valves and Boiler mountings overhauled. Examined under steam and the safety valves set to 80 lbs per square inch.*

*The Bank, Thrust, Journal Shafting examined found good. The Propeller shaft, stem bush, and sea connection were seen good. Propeller good.*

*See Limit List*

General Observations, Opinion, and Recommendation:— The Boilers and Machinery of this vessel are in good condition eligible to remain as classed and to be entered + N.B. 3. 1900 in the Register Book. It is respectfully recommended that the vessel name be removed from the Limit List for Main Boilers.

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

Registration Fee (per Sec. 27)	£		Fees applied for	
Fee (per Section 23)	£	1 - 2 =	31/3/1900	17.00
Damage Fee (per Section 25)	£	18 =	M.R.	
Other Expenses (if chargeable)	£		Received by me	18.18

*Thos. Robertson,*  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *FRI. 6 APL 1900* TUES. MAY 28 1901

signed *+ N.B. 3.00*  
*B.S. 3.00 subject*



THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

Insert Character of Ship and Machinery precisely as in the Register Book.

\* Certificate to be sent to

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.

*Attached report on...*  
*hand notes*

*Chas.*  
*in 4.00*

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