

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

(Received at London Office)

TUE. JUN. 7 1921

Date of writing Report 1 June 1921 When handed in at Local Office 19

Port of NEWCASTLE-ON-TYNE

No. in Survey held at Hethers & Jarrow

Date, First Survey 4 April Last Survey 27 May 1921

1791 on the Machinery of the Wood, Iron or Steel S/S BRANT COUNTY

Master

(No. of Visits) 20

Gross 4972
Net 3038

Vessel built at Rostock

By whom Akt Ges Neptun

When 1915 - 0

Registered Horse Power 480

Engines made at Rostock

By whom Akt Ges. Neptun

When 1915

No. of Main Boilers 4513

Boilers, when made (Main) 1915

(Donkey) None

No. of Donkey Boilers

Owners J. Coull & Sons

Port London

Voyage

Steam Pressure in Main Boilers 213 lbs

If Surveyed Afloat or in Dry Dock Hawthorn Leslie & Co

(State name of Dock.) Dry Dock Hethers and of Port at Newcastle-on-Tyne

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

CHARACTER.
* for Special Survey.
Date of last Survey and of Periodical Surveys.YEAR.
MONTH.
DAY.Machinery and Boiler
Surveys
(including date of N.B., if any).

Last Report No.

Port

Particulars of Examination and Repairs (if any) Machinery Survey for Classification

Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the nature 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 repairs 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.

damage cases 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 declined?

Was a damage report made by anyone else? If so, by whom?

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? *yes*

Do. " Donkey " " " *yes*

Was this not done, state for what reasons? *yes*

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

To 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*

Safety Valves fitted with easing gear.

To what pressure were they afterwards adjusted under steam? 218 lbs

Did the Surveyor examine the Safety Valves of Donkey Boiler? *yes*

To what pressure were they afterwards adjusted under steam? 223 lbs

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? *yes*

, and of the Donkey Boiler?

Did the Surveyor examine the drain plugs of the Main Boilers? *yes*

, and of the Donkey Boiler?

Did the Surveyor examine all the mountings of the Main Boilers? *yes*

, and of the Donkey Boiler?

Has screw shaft now been drawn and examined? *yes* Is it fitted with continuous liner? *yes* or two liners?

or is it without liners?

Has shaft now been changed? *no* If so, state reasons

Has shaft now fitted new? Has it a continuous liner?

or two liners?

or is it without liners?

What is the distance between lignum vitae of stern bush and top of after bearing of screw shaft? *1/8 wood in stern tube bushes good.*

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

S/S BRANT COUNTY & German Steamer LENNER

done Vessel dry docked. The propeller (built) from bronze blades, outside fastenings Sea connections Bilge Injection Valve, Tail Shaft (C.L.), Tunnel Thrust and Crank Shafts cylinders, pistons and Slide Valves, Valve gear, piston Rods, Connecting Rods, Condensers, pumps & their Connections, steam Steering Engine, opened out examined found generally good Condition, overhauled, put in order as found necessary and closed up as before. piston hood & Rings fitted to HP piston. New Rings fitted to MP and LP pistons. piston Rod Skimmed up & refitted. HP piston Valve Chamber bored out. New piston Valve & rings fitted and Valve spindle Skimmed up and new piston packing fitted. Steam pipes (Main & Superheater Steam) tested under 500 lbs hydraulic pressure. New Contra flow feed water Heater fitted. 2 New. Weirs feed pumps fitted. 9" x 12 x 21. Duplex

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. 9.11, S.&M.S. 9.11, or L.M.C. 9.11, 140 lb., E.D., &c.)

In our opinion the machinery is now so far as seen in good condition & eligible for the notification of L.M.C 5-21. and record of Tail Shaft examined 21 made in the Register Book.

Fee (per Section 29) £

Damage or Repair Fee (if any) £30.0.0

Other Expenses (if chargeable) £

Fee applied for

for 1st survey

Received by me

28.6.1921

Committee's Minute

Signed

FRI. JUN. 1921

L.M.C 5.21

CERTIFICATE WRITTEN

TUE. 3 JAN. 1922

FRI. JAN. 27 1922

C. March & L.G. Shalleross
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

Is a Certificate required? If so, to be sent to

008789.008745-0039 1/2

Sps. Brant County. & Lemmings.

Ballast donkey pump opened out and examined - $12\frac{3}{16} \times 11 \times 12$ stroke
 Feed " " " " " " " " $7\frac{1}{2} \times 5 \times 6$ "
 General Service " " " " " " " " $9\frac{1}{16} \times 6\frac{1}{16} \times 12$ "

Main Boilers Opened out - Cleaned Examined general condition good
 overhauled. minor repairs effected.

Superheaters sent to works overhauled. machined up and made good as
 found necessary. tested under hydraulic pressure. refitted on board as before
 the Boiler and Superheater Mountings examined, overhauled and put in
 order. new seats. Valves and spindles, fitted where necessary.

new spindles fitted to Safety Valves - Boilers Safety Valves adjusted 218 lbs
 Superheaters. (Schmidt's) Safety Valves lifted at 223 lbs -

Boilers satisfactory under steam -

The scantlings of the machinery and boilers, were compared as far as
 practicable and found to comply with Hamburg Registry Report 14327
 in accordance with the Rules, on board, together with the necessary
 trees -

L. G. Challoross & James Nelson