7 8/5 Time

No. 7374.

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

(Received at London Office SAT. MAY. 11. 1912)

ting Report ..... 19 .... When handed in at Local Office 10 . 5 19 12 Port of MIDDLESBROUGH

Survey held at Middlesbrough Date, First Survey 2nd April Last Survey 4th April 1912 (No. of Visits 3)

on ~~the Machinery of the Wood, Iron or Steel~~ Richardsons, Westgarth & Co. Hpl. No. 1301 Master

YEAR. MONTH.

Gross ..... Vessel built at ..... By whom ..... When .....

Net ..... Engines made at ..... By whom ..... When .....

Boilers, when made (Main) ..... (Donkey) .....

Owners ..... Port ..... Voyage .....

~~If~~ Surveyed ~~Afloat or in Dry Dock~~ Richardsons, Westgarth & Co. Boiler Shop (State name of Dock.)

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.	Years Assigned now expired	Machinery and Boiler Surveys (including date of N.B., if any).

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

Report No. ..... Port .....

ulars of Examination and Repairs (if any) Three Main Boilers

Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and eing detailed in the body of the report, should be briefly summarised at the end of the report. State also the d initials of any letters respecting this case.

e 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

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

rveyor personally go inside each Main Boiler separately and make a thorough examination at this time? ✓

" Donkey " " " ✓

s not done, state for what reasons? ✓

parts of the Boilers could not be thus thoroughly examined? ✓

special means, in the absence of internal examination, were adopted by the or to assure himself of the thorough efficiency of those parts of each Boiler? ✓

urveyor examine the Safety Valves of the Main Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

Surveyor examine the Safety Valves of Donkey Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

urveyor examine all the manholes, doors and their fastenings of the Main Boilers? ✓ , and of the Donkey Boiler? ✓

urveyor examine the drain plugs of the Main Boilers? ✓ , and of the Donkey Boiler? ✓

Surveyor examine all the mountings of the Main Boilers? ✓ , and of the Donkey Boiler? ✓

ew shaft now been drawn and examined? ✓ Is it fitted with continuous liner? ✓ or two liners? ✓ or is it without liners? ✓

ft now been changed? ✓ If so, state reasons ✓

shaft now fitted new? ✓ Has it a continuous liner? ✓ or two liners? ✓ or is it without liners? ✓

e distance between lignum vitæ of stern bush and top of after bearing of screw shaft? ✓

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

Richardsons, Westgarth & Co. Ld. Middlesbrough No. 5239 } J. Priestman & Co.
Richardsons, Westgarth & Co. Ld. Hartlepool No. 1301 } S.S. No. 238

Shell plates for three main boilers planed & rolled, butt straps & front & back end flanged plates fitted to shells, shells completely drilled & butt straps & back end plates satisfactorily riveted into shells. Longitudinal seams pitch of rivets $10\frac{3}{8}$" x $1\frac{19}{32}$" dia. rivet holes.

These boiler shells & ends have now been sent to Hartlepool where the construction of the boilers is to be completed.

neral 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. 9,10, B.&M.S. 9,10, or ✠ L.M.C. 9,10, 140 lb., E.D., &c.)

This is sent for the information of the Committee.

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

vey Fee (per Section 28) ..... £ : :
al Damage or Repair Fee (if any) (per Section 28.) ..... £ : :
velling Expenses (if chargeable) ..... £ : :

Fees applied for ..... 19 .....
Received by me, ... 19 .....

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

FRI. FEB. 14. 1913

mmittee's Minute

ssigned see Minute on Hpl Rpt 14538

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