

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

(Received at London Office) TUES. JUN 2 1896

Date of writing Report 1 June 1896 When handed in at Local Office 15 Port of London

No. in Reg. Book 490 Survey held at London Date, First Survey 30 April Last Survey 29 May 1896

on the Machinery of the Wood, Iron or Steel S. S. Bolderaa Master Kuten

Tonnage Gross 1628 Net 1061 Vessel built at Sunderland By whom J Laing When 1884-2

Registered Horse Power 143 Engines made at Sunderland When 1884 Boilers, when made (Main) 1884 (Donkey) 1896

No. of Main Boilers 2 Owners C M Harwood & Co Port London Voyage Baltic

No. of Donkey Boilers one Steam Pressure in Main Boilers 80 lbs in Donkey Boilers 80 lbs

Surveyed Afloat or in Dry Dock Milwall & Nelson 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 and expired. | Machinery and Boiler Surveys (including date of N.B., if any). |
|---|-----------------------------|--|
| + A1 * 1 | 2.96 | MS 2.92 |
| 2 nd Survey Apr 2.92 | | BS 11.95 |

Last Survey No. Port

Particulars of Examination and Repairs (if any) Damage = Imp 5.5 Nos

(Periodical Surveys, when held, must be reported in detail and seriatim 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.)

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? No

Do. " Donkey " " " No

If this was not done, state for what reasons? Not open for survey

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? No

At what pressure were they afterwards adjusted under steam? ✓

Did the Surveyor examine the Safety Valves of Donkey Boiler? No

To what pressure were they afterwards adjusted? ✓

Has the propeller shaft been drawn and examined at this time? Yes

If the Survey is not complete state what arrangements have been made for its completion? Complete

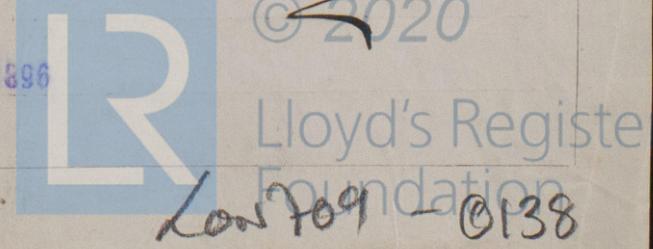
Vessel stated to have been damaged by foundering in the river Schelde & remaining aground for over seven hours. Vessel placed in dry dock. Examined Propeller, Propeller Shaft (drawn), Bush (rewooded), and all sea connections and fastenings & found satisfactory. Examined crank Lummel & Trust-shafting, Condenser & Circulating Pump & found satisfactory. Water service pipes cleared. To complete survey Examined HP & LP Cylinders, pistons, Covers, valves & faces, Air pump, Feed & Bilge pumps & found satisfactory. One Feed pump & both Bilge pump rams trued up & glands rebushed & neck rings renewed.

General Observations, Opinion, and Recommendation: This vessel's machinery is now, (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. 9.95, B.&M.S. 9.95 or L.M.C. 9.95, 140 lb., F.D., &c.) as far as seen, in a safe working condition & eligible in my opinion to have ~~L.M.C.~~ M.S. 5.96 Recorded in the Register of this Society

| | £ | s | d |
|--|---|----|---|
| Office or Registration Fee (per Sec. 27) | | | |
| Survey Fee (per Section 28) | 2 | 0 | 0 |
| Special Damage Fee (per Section 28) | 2 | 2 | 0 |
| Travelling Expenses (if chargeable) | 4 | 2 | 0 |
| | 0 | 8 | 0 |
| | 3 | 14 | 0 |

Fees applied for 1 June 1896
Received by me, Thomas R. Blackie, Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute FRI. JUN 5 1896 FRI 27 NOV 1896
Assigned M.S. 5.96 BS 11.95



Has a Survey also been held on Ship? Yes
 If so, is the Report sent now, or when will it be sent?
 The Surveyor is requested not to scribble on or before the space for Committee's Minute.
 2045-23/2/96 - Transfer Ink.

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