

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

Date of writing Report 24th Janry 96 1896 When handed in at Local Office Tilbury is 18 Port of London (Received at London Office MON. JAN 27 1896)

No. in Reg. Book 1030 Survey held at Tilbury Date First Survey January 7th Last Survey 24th Janry 1896

on the Machinery of the Wood, Iron or Steel S.S. "Austral" Master J. M. Tuke

Tonnage { Gross 5574 Net 3214 Vessel built at Glasgow By whom J. Older & Co When 1881 YEAR. MONTH. 12

Registered Horse Power 1004 Engines made at Do When 1881 Boilers, when made (Main) 1881 (Donkey) 1895

No. of Main Boilers Four Owners Orient Steam Nav. Co Port Glasgow Voyage Australia

No. of Donkey Boilers one If Surveyed Afloat or in Dry Dock Tilbury wet & drydock Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Steam Pressure in Main Boilers 95 in Donkey Boilers 95

Last Survey No. 56962 Port Lon
 Particulars of Examination and Repairs (if any) S.S. No 3

(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.)

| CHARACTER for Special Survey. Date of last Survey and of Periodical Surveys. | Years Assigned or expired. | Machinery and Boiler Surveys (including date of N.B., if any). |
|--|----------------------------|--|
| <u>100A1</u> | <u>9.95</u> | <u>B.S. 1.95</u> |
| <u>S.S. No 3-384</u> | | <u>L.M.C. 11.92</u> |
| <u>S.S. Lon. No 2-92</u> | | |

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

Do. " Donkey " " " No. - New in 1895.

If this was not done, state for what reasons? -

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? Yes.

At what pressure were they afterwards adjusted under steam? 94 lb.

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

To what pressure were they afterwards adjusted? Not adjusted

Has the propeller shaft been drawn and examined at this time? No.

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

Now done - Vessel placed in dry dock - all sea & bilge connections examined. The propeller and its fastenings examined & found in order. The cylinders, pistons, slide valves, pumps, condenser, all main ^{through} stunnel shafting also crank pins examined & found in order. The Main boilers examined internally & externally, their safety valves examined & adjusted under steam.

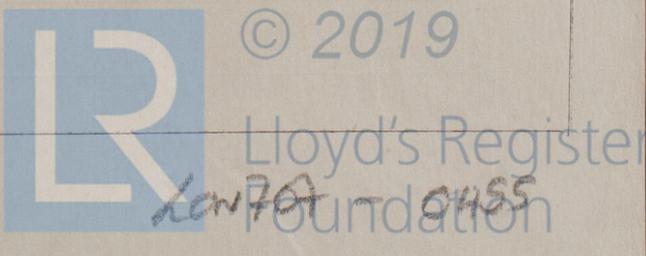
The H.P. cylinder cover was found to be cracked in a circumferential direction & this was now patched - there are also two additional patches fitted previously which appear to be tight. All the patches are on the bottom part of the casting.

General Observations, Obinion, and Recommendation: - This vessels machinery is in safe working condition and eligible, in my opinion, to remain as classed with record of survey L.M.C. 1.96, subject to the H.P. cylinder cover being again examined on vessels return four months hence.

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|---|-----------------|------------------|---------------------|
| Office or Registration Fee (per Sec. 27) | £ : : | Fees applied for | <u>28 Jan. 1896</u> |
| Survey Fee (per Section 28) | £ <u>5:10:0</u> | | <u>12</u> |
| Special Damage Fee (per Section 28) <u>less 10%</u> | £ <u>- 11 -</u> | Received by me, | <u>R. Elliott</u> |
| Travelling Expenses (if chargeable) | £ <u>4:19:0</u> | | <u>12/2/96</u> |

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

Committee's Minute FRI. JAN 31 1896
 Assigned + L.M.C. 1.96 subject



16-Lloyd's Register of British and Foreign Shipping
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)
 State if Certificate is required
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Insert Character of Ship and Machinery precisely as in the Register Book.