

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

51470

Vo. _____ Date of Writing Report Jan: 14th 1891 Port of London (Received at London Office, THURS 15 JAN 1891)

No. in 55 Survey held at London Date, first Survey Dec: 13th Last Survey Jan: 5th 1891

eg. Book. 155 on the Machinery of the s/s "Manitoba" Master A.W. Brockland No. of Visits 6

Gross 2127 Vessel built at W. Hartlepool By whom E. Withy & Co When 1887 3

Net 1386 Engines made at Stockton When 1887 Boilers, when made (Main) 1887 (Donkey) 1887

Registered 200 Owners Bucknall & nephews Port London Voyage Madras

Steam Pressure—
in Main Boilers 160
in Donkey Boilers 80

Class of Vessel & Machinery + 100 A-1. 2-90
(As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.) June 4-91

Particulars of Examination and Repairs (if any) Part S.S. No 1 + damage.

Did the Surveyor personally go inside each Boiler separately (including the Donkey Boiler, if any), and make a thorough examination at this time? Yes.

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?

Recommended a new low pressure crank shaft on account of flaw extending the whole length of the pin & turning round into after fillet circumferentially, recommended the tail shaft to be drawn & examined and crank shaft braces to be re-lined with white metal, recommended condenser tubes to be drawn & cleaned & circulating pump examined

A new after crank shaft has been fitted & crank shaft lined up, the tail shaft has been drawn & examined, condenser tubes drawn & cleaned and circulating pump examined.

These repairs & recommendations were made consequent on vessel having remained aground for 7 days, the engines working ahead & astern at intervals -

Examined main boiler internally & externally and safety valves, all the plain tubes have been renewed in a satisfactory manner.

Examined the two supplementary boilers & safety valves, sundry caulking has been done - also examined crank, tunnel, tail shafting, high press: slide valve & cylinder face, sea cocks & valves ground in.

To complete survey: - The boilers to have safety valves set under steam and the cylinders, M.P. & P. slide valves, air, Feed & Bilge pumps & thrust shaft, block, & rings to be examined.

It is proposed to complete this survey at the end of the present contemplated voyage.

General Observations, Opinion, and Recommendation: -

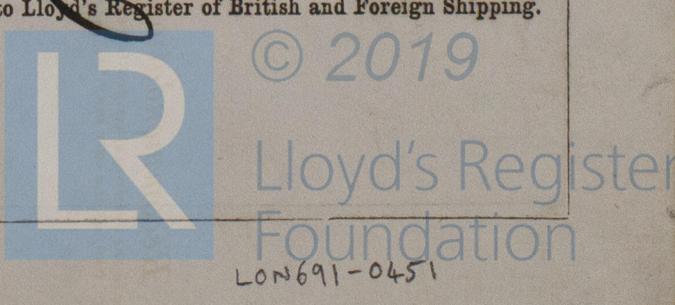
So far as seen the machinery of this vessel is now in good condition and is eligible in my opinion to remain as classed and to have June 1-91 recorded in the Register Book subject to completion of survey -

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|-----------------------------------------------|---|-------|------------------|
| Office or Registration Fee (per Sec. 27)..... | £ | : | Fees applied for |
| Survey Fee (per Section 28)..... | £ | 5.0.0 | 16/11/1891 |
| Special Damage Fee (per Section 28)..... | £ | 3.3.9 | |
| *Certificate (if required) as per margin..... | £ | : | Received by me, |
| Travelling Expenses (if chargeable)..... | £ | : | 20/1/1891 |

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

Committee's Minute THE 20 JAN 1891

Assigned for completion



It is submitted that this vessel is capable to have d.r.p. 1-91 recorded; and will be eligible to have + L.M.C. 1-91 when the Cylinders, M.P. & L.P. slide valves, air, feed, & bilge pumps and thrust shaft, block, and rump have been examined; and the safety valves of the Main and donkey boilers adjusted under steam.

W. A.
17-1-91

