

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

(Received at London Office)

WED. THUR. 11 1897

Date of writing Report *2nd March 1897* When handed in at Local Office *18* Port of *Glasgow*
 No. in Reg. Book *173* Survey held at *Glasgow* Date, First Survey *9th Feb* Last Survey *26th Feb 1894*
 on the Machinery of the *Wood, Iron or Steel* *S.S. Mangra* Master *Ogensen*
 Tonnage Gross *164* Net *115.7* Vessel built at *Glasgow* By whom *J. Stephen & Sons* When *1889* - *10*
 Registered Horse Power *149* Engines made at *Glasgow* When *1889* Boilers, when made (Main) *1889* (Donkey) *1889*
 No. of Main Boilers *one* Owners *S.S. Mangra Co. Ltd.* Port *Glasgow* Voyage *Spain*
 No. of Donkey Boilers *one* If Surveyed Afloat or in Dry Dock *Both - Dry Dock*
 Steam Pressure in Main Boilers *140 lbs* in Donkey Boilers *60 lbs*
 Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Last Survey No. *173* Port *Glasgow*Particulars of Examination and Repairs (if any) *Periodical*

(Periodical Surveys, when held, must be reported in detail and serially 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? *Yes*

Do.

Donkey

If this was not done, state for what reasons? *Yes*And what parts of the Boilers could not be thus thoroughly examined? *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? *Yes*Did the Surveyor examine the Safety Valves of the Main Boiler? *Yes*At what pressure were they afterwards adjusted under steam? *165 lbs.*Did the Surveyor examine the Safety Valves of Donkey Boiler? *Yes*To what pressure were they afterwards adjusted? *60 lbs.*Has the propeller shaft been drawn and examined at this time? *Yes*If spare propeller shaft fitted, state whether new? *Yes*

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

Damage Repairs consequent upon grounding 10th Jan 1897. - See Damage Survey Report. Now done as recommended: - Two propeller blades renewed: propeller shaft drawn in for examination, and found in good condition: all shafts opened out: sea cocks and circulating pumps opened out: condenser doors taken off, and all tubes which were choked with mud & stones drawn, and checked & renewed as required.

Repairs due to Special Survey: - Main & donkey boilers: cylinders: pistons, valves and pumps examined & found in good order. Several minor repairs done.

General Observations, Opinion, and Recommendation: - *The machinery of this vessel,*

(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 my opinion, is in safe working condition, and eligible to have record + L.M.C. 2-97 in the Register Book

Office or Registration Fee (per Sec. 27)..... £

Survey Fee (per Section 28)..... £

Special Damage Fee (per Section 28)..... £

Travelling Expenses (if chargeable)..... £

Fees applied for

9/3/94

Received by me,

10/3/94

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

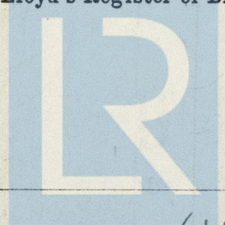
State if Certificate is required.....

Committee's Minute

FRI. MAR 12 1897

Assigned

+ L.M.C. 2, 97



Lloyd's Register Foundation

GLS177-0107

It is submitted that
this vessel is eligible for
THE RECORD + L.H.C. 2.97

W.D.
11.3.97

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THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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