

No. 13445

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

(Received at London Office)

Date of writing Report 22<sup>nd</sup> June 1895 When handed in at Local Office 18 Port of Glasgow

No. in Reg. Book Survey held at Glasgow Date, First Survey 12<sup>th</sup> June Last Survey 15<sup>th</sup> June 1895

on the Machinery of the Wood, Iron or Steel S.S. Mangara, Master Sumner

Tonnage Gross 1784 Net 1157 Vessel built at Glasgow By whom A. Stephen & Sons When 1889-10

Registered Horse Power 170 Engines made at Glasgow When 89 Boilers, when made (Main) 89 (Donkey) 89

No. of Main Boilers 1 Owners Malay & McIntyre Port Glasgow Voyage Bilbao

No. of Donkey Boilers 1

Steam Pressure 160 lbs Surveyed Afloat or in Dry Dock Meadowside Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

in Main Boilers 160 lbs (State name of Dock.)

Last Survey No.                      Port                     

Particulars of Examination and Repairs (if any) Damage

CHARACTER. * for Special Survey, Date of last Survey and of Periodical Surveys.	Years Allowed now expired.	Machinery and Boiler Surveys (including date of N.B., if any).
<u>-1-100 A 1</u>		<u>-1-R.M.C</u>
<u>9.94</u>		<u>8.93</u>
<u>S.S. 201</u>		
<u>'93</u>		

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?

Do. " Donkey " " " " "

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?

At what pressure were they afterwards adjusted under steam?

Did the Surveyor examine the Safety Valves of Donkey Boiler?

To what pressure were they afterwards adjusted?

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

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

On account of damage, the vessel having been aground, the following recommendations have been carried out while the vessel was in dry dock:

The propeller shaft has been drawn and the stern bush lined up with new lignum-vite. Two new blades fitted to the propeller.

On examination of the propeller shaft it was found a good deal corroded at brass liners and the spare shaft has been fitted in its place.

The sea connections were examined externally and found in order.

General Observations, Opinion, and Recommendation: — As far as seen the

(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. 4, 94, B.&M.S. 4, 94 or R.M.C. 4, 94, 140 lb., F.D., &c.)

machinery of this vessel is in good order and in my opinion eligible to remain as classed without any fresh record of survey.

Office or Registration Fee (per Sec. 27) £ : : : : :  
 Survey Fee (per Section 28) £ : : : : :  
 Special Damage Fee (per Section 28) £ 11 49 : : : : :  
 Travelling Expenses (if chargeable) £ : : : : :  
 \*State if Certificate is required.

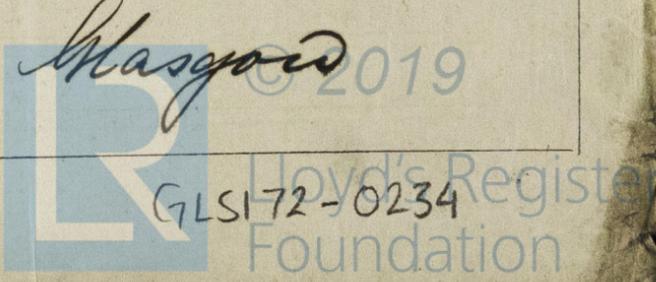
Fees applied for 25/6/95

Received by me, [Signature]

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

Committee's Minute FRI 28 JUN 1895

Assigned as now



The Surveyors are requested not to write on this page.

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

...a certain amount of damage  
Stem bolts reworked & 2 new  
Propeller blades fitted.  
on account of wear & tear  
Spare Propeller shaft fitted  
13775 lbs.

N.B.—If this Report is copied by Copying Press, special care must be taken that the copying paper is not so much damped as to spread the ink, or cause it to show through to the other side.

It is submitted that  
this vessel is eligible to  
remain AS CLASSED.

The Surveyor should be  
requested to state  
whether the Spare  
shaft now fitted  
is of new iron or  
whether it has  
been on use  
before  
ARR

27-6-95

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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