

No. 3286

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

Date of writing Report *May 25<sup>th</sup> 1895* When handed in at Local Office *Hamburg.* Port of *Hamburg.*

No. in Reg. Book *28* Survey held at *Hamburg.* Date, First Survey *May 9<sup>th</sup> 1895* Last Survey *May 20<sup>th</sup> 1895*

*on the Machinery of the Wood, Iron or Steel* *Sc. 3 Mst. R. Bakun* Master *H. T. Reyer*

Tonnage { Gross *1664* Net *1093* Vessel built at *H. Harlepool* By whom *H. Gray & Co.* When *1886* 6.

Registered Horse Power *200* Engines made at *H. Hpl.* When *1886* Boilers, when made (Main) *1886* (Donkey) *1886*

No. of Main Boilers *2* Owners *Reichum Transport & Handel* Port *London* Voyage *Batoum*

No. of Donkey Boilers *1* If Surveyed Afloat or in Dry Dock *afloat*

Steam Pressure in Main Boilers *157 lbs.* in Donkey Boilers *40 lbs.*

Last Survey No. *3178* Port *Hamb.*

Particulars of Examination and Repairs (if any) *See of dam. rep.*

(Periodical Surveys, when held, must be reported in detail and verbatim 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 summarized 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?

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

At the request of the Owners representative I examined the H.P. cylinder and found the liner cracked lengthway in three places. A new liner was fitted of increased thickness. The broken H.P. piston packing rings were renewed and the piston rod chased over on the lathe new gland and neck bushes supplied and the crosshead properly adjusted between the guides. The coupling bolts in the forward web in No. 2 crank were found slack, the bolt holes were rehymered up and new bolts supplied and fitted. The coupling bolts in No. 3 crank were also found loose but a good fit and were only drawn up. The crankshaft was tested and found to be properly bedded. The condenser was partly retubed and throughout rejointed with new screw glands, other minor repairs executed as per copy of damage report attached.

## General Observations, Opinion, and Recommendation:—

(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. 404, B.S. 404 or S.L.M.C. 404, 140 lb., F.D., &c.)

The repairs having been found satisfactory I beg to recommend that the Class of this Vessel be continued in the Register Book without new entry with regard to machinery

Office or Registration Fee (per Sec. 27)	£ 10:0	Fees applied for
Survey Fee (per Section 28)	£ 1:1	27/5 18 95
Special Damage Fee (per Section 28)	£ 4:4:0	£ 4:14:0
Travelling Expenses (if chargeable)	£ 1:1	Received by me,
		27/5 18 95

\*State if Certificate is required

Committee's Minute *FRI 31 MAY 1895*Assigned *as now*

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

*Th. Rieck*

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Lloyd's Register Foundation



On acct of damage  
Angel Moderate repairs were effected  
to the machinery

It is submitted that  
this vessel is eligible to  
receive as CLOSSELY.

W.A.  
30-5-95

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65 THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.