

Report of Survey for Repairs of Engines and Boilers.

No. 48 (See 27/10/89)
 Reg. Book. 357 on the Iron S.S. "Rio Tejo" Master A. Carares
 Survey held at Amber Date, first Survey 4th October Last Survey 25th October 1879
 Built at Newcastle When built 1865
 Tons 639 Owners Companhia Thetis Port belonging to Oporto Character in Register Book. AI
 Classified Lloyd's M6 11.77

Diameter of Cylinder 34 and 42 inches Engines made at London When made 1872
 Length of Stroke 30 inches Pressure of Steam 52 lbs By whom made J. Stewart
 Registered Horse Power 80

Particulars of Repairs and Examination

Examined Engines and boilers, the vessel being in dry dock examined sea cocks, propeller and propeller post.

Found the Crank Shaft about in the same state as it was when reported by me on the 13th August last; found the low pressure piston wanting repairs, the high pressure Cylinder and both slide valves in good working order; found air circulating and feed pumps, cocks in connection with boilers, sea cocks, stop and safety valves &c needing to be overhauled; propeller and propeller post found right, Several stays in bottom and back ends of boilers were found defective as well as a great number of the tubes; found a few leaks in furnace sides and in bottom of shell of main boilers. Bottom of shell of donkey boiler was found also leaky.

Repairs done; Replaced the Crank Shaft by a new one which was found to be in good condition. Reamed the low pressure piston and its rod turned up. Air and circulating pumps put right; feed pumps bored out and rebushed; all connections with boilers, pipes, cocks &c, stop and safety valves taken off, grounded where necessary and rejointed. Fitted new doubling plates for joints of Cocks on ships bottom.

Fitted 42 new stays in bottom of back ends of main boilers; seven new pieces of plates put in furnace sides; all the tubes having been taken out were renewed; one doubling plate fitted over seams in bottom of shell of each boiler; check valves for feed lifted 14 inches higher up to have a better circulation of water. Fitted new bottom in shell of donkey boiler.

The Amount of Fee ... £ 4 : 4 : 0 received by me,
 Certificate (if required) ... £ : : 25th 8th 1879

(Travelling Expenses, if any, £)

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

Committee's Minute

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The aforesaid repairs have been completed this date
and the Engines tried under 52 lbs steam and all
was found in good and safe working condition.

Antwerp 25th October 1879

F. H. H. H. H.

The Machinery of this vessel has been
examined and repaired in dry dock
and is reported to be in good
condition. Submitted that she
is eligible to remain as
cleared and has the
Certificate Lloyd's M.S.C.
10-79. also 22 p. 179
in the Register Book

MD

27.10.79

52 lbs pressure



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