

Report of Survey for Repairs of Engines and Boilers.

27939 Iron

No. 172 (Received at London Office, 30/8/80.)

No. in Reg. Book. Survey held at Grimby Date, first Survey 27 May 80 Last Survey 23 Aug 1880

300 on the Machinery of the iron screw steamer "Leeds" (Number of Visits 5)

Tonnage, Gross <u>456</u>	Built at <u>Glasgow</u>	When built <u>1865</u>
Ditto, Net <u>248</u>	Owners <u>Manchester, Sheffield & London Railway Co.</u>	Port belonging to <u>Grimby</u>
Diameter of Cylinder <u>27 1/2" x 50"</u>	Engines made by <u>A & S. Inglis, Glasgow</u>	When made <u>1875</u>
Length of Stroke <u>50"</u>	Boilers made by <u>d. d.</u>	When made <u>1875</u>
Pressure of Steam <u>65 lb</u>	If Surveyed Afloat or in Dry Dock <u>in dry dock & afloat</u>	Classed <u>90 A.1</u>
Registered Horse Power <u>110</u>		Years assigned <u>6.78</u>
Last Survey No. _____	Port _____	Character in Register Book. <u>Lloyds Reg. 11.75</u>

Particulars of Repairs and Examination of Machinery & Boilers in accordance with the requirements of the rules for Special Survey A 3.

Engines thoroughly opened up, & examined in detail. Cylinders opened, pistons examined & refitted with new springs as requisite. Rides examined, the rods turned up & new bushes fitted. Link motion overhauled & refitted. Crank shaft stripped & turned round for examination. Air pump bucket drawn & repacked. Circulating pump bucket rod & valves examined. Surface condenser tubes drawn, cleaned & replaced (50 new). Caps off in tunnel. Propeller shaft drawn & examined. Stern bush lined up. Shaft replaced & propeller refitted. Thrust examined. Shaft turned up & new liners fitted. A new set of studs for stern gland. All sea cocks & valves overhauled. Feed & bilge pump valves overhauled & refitted.

Main Boiler retubed & several screw stays renewed as requisite in combustion chambers. Internal tube of superheater renewed. Shell of same lined with 3/8" plate. 2 doubling plates about 24" x 21" x 1/2" put on shell of Boiler under superheater. Safety valves overhauled & set to working pressure.

Donkey overhauled.

Donkey Boiler. 2 patches on firebox & 2 on shell. Tested by hydraulic pressure to working pressure.

General Observations, Opinion, and Recommendation:— The machinery & Boilers of this vessel are now, in my opinion, in safe working condition, & eligible to remain as classed.

Entry or Registering Fee ... £ 1 : 0

Survey Fee ... £ 3 : 3

Certificate (if required) ... £ 2 : 6

(Travelling Expenses, if any, £ 2 : 2 : 0) 300

received by me, J. B. Stevens

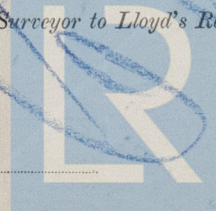
24/8 1880

John B. Stevens

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

Committee's Minute 1 Tuesday, August 31st 1880.

Assigned



Lloyd's Register Foundation

1130-54-N01

It is submitted that this
vessel is eligible to
have the notification
Lloyd's M.C. & S.
Recorded in the
Register Book

M
3/8/81



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Foundation