

Report of Survey for Repairs of Engines and Boilers.

No. 14957 (Recd 30.6.75)
 No. in Reg. Book. 1 Survey held at London Date, first Survey 21st May Last Survey 30 June 1875
 on the Screw Steamer Mesopotamia Tons
 Owners Lynch Bros. Port belonging to London Years assigned 90 Character in Register Book. AI

Diameter of Cylinder? 30" & 60" Engines made at Penfrew When made 1871
 Length of Stroke 34" Pressure of Steam 54 lbs By whom made Henderson, Culburn & Co
 Nominal Horse Power 160

Particulars of Repairs and Examination

High and Low pressure Cylinder covers lifted and pistons examined. Four cast iron filling pieces and a new set of springs fitted in low pressure piston. One new set of spare springs supplied. High and low pressure slide valves examined. Crank pins overhauled and spare brasses made to fit pin. Condenser door taken off and division plate made tight. Air pumps examined and new set of rubber ^{valves} fitted in pump. New spare set supplied. Valve gear overhauled and lined where necessary. Links filed parallel and new bushes fitted in eyes of driving eccentric rods. One pair of new brasses supplied for top end of connecting rods. Top ends of connecting rods overhauled and adjusted. After driving eccentric pulley made tight on shaft. All cocks and valves on Engines and Boilers overhauled.

New cast iron stern tube fitted, with two brass bushes lined with lignum vitae. New stuffing box gland of cast iron lined with brass for stern tube. Two brass lines run on after length of screw shaft and fastened with brass pins. One new copper bilge discharge pipe and one partly new. Two new internal copper pipes for water gauge on Boilers. Screw end burnt on brass plunger of small donkey engine. Small donkey engine thoroughly overhauled and new malleable iron exhaust pipe fitted and engine made to exhaust on deck instead of into the bilge as formerly.

Boilers

Patch put in front of crown plate of Starboard after furnace. Several tubes expanded and a few seams caulked in front and bottom of Boilers. One new stockhole plate supplied.

Two new pins and a new clutch fitted in Capstan to replace others which were broken.

The Engines and Boilers are in my opinion in good order and safe working condition and eligible for the notification in the Register Book. Lloyds M. C.

The Amount of Fee ... £ 5 : 5 :
 Certificate (if required) ... £ : :
 received by me, James Bain

Travelling Expenses, if any, £

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

Committee's Minute