

Report of Survey for Repairs of Engines and Boilers.

No. 79 on the S.S. James Joyce Master James Joyce
 No. in Reg. Book. 79 Survey held at London Date, first Survey Sept 6th Last Survey Sept 13th 1879
 Built at Newcastle When built 1863
 Tons 444 Owners J. Fenwick & Co Port belonging to London Classified A 1
 702

Diameter of Cylinder 38 Engines made at Newcastle When made 1863
 Length of Stroke 30 Pressure of Steam 30 lb By whom made R & W Hawthorn
 Registered Horse Power 90 Year NB 1873

Particulars of Repairs and Examination Survey held in accordance with the Rules for S.S. No 3. Vessel placed on Pontoon and Propeller & sea connections examined, sea cocks &c ground in. Cylinders examined, pistons overhauled and springs reset. Slides and cylinder faces examined and found good. Crank shaft examined, found a flaw about 6 1/2 inches long round the fillet of after crank pin, this has been marked at the ends to see if it extends, and a wrought iron bolt 3 1/2 inches diameter has been fitted through the pin. Crank shaft bearings set lineable and shaft replaced. Air and circulating pumps overhauled. Feed & bilge pumps overhauled and new valves fitted to these pumps. Feed check valves (main) on boilers renewed. Stop & Safety valves ground in. Main boilers examined a few rivets renewed at the bottom of one, test holes drilled in combustion chambers, and the thickness found to be sufficient for the working pressure. a patch fitted in one chamber where the landing had been corroded by leakage. Superheater examined and test holes drilled to ascertain its thickness. three stays found corroded and the plate thin at back of superheater, two additional stays have been fitted at this part. The machinery & boilers of this vessel are now in good order and safe working condition and in my opinion entitle the vessel to the notification B.M.S. 979 in the Register Book. But the crank shaft and Superheater should in my opinion be reexamined in six months and the main boilers in twelve months from this date. To entitle the vessel to the notification Lloyd's M.C. in the Register Book the blow off cocks will have to be removed from vessels bottom to turn of bilge.

The Amount of Fee ... 18/9 £ 3 : 3 : 0 received by me, James J. Milson
 Certificate (if required) ... £ - : - : - 20/11/1879
 (Travelling Expenses, if any, £)

Committee's Minute 18 Lloyd's Register Foundation