

# Report of Survey for Repairs of Engines and Boilers.

No. 147 S.S. No 3 23098  
 No. in Reg. Book. 147 Survey held at Newcastle M. Shields Date, first Survey Jan 15<sup>th</sup> Last Survey 8<sup>th</sup> March 1879

H on the J. E. Forster S.S. Master W. Robson

Built at North Shields When built 1 mo. 1866

Tons 522 Owners J. O. Scott Port belonging to Newcastle Classified 90 A1  
714 10-77

Diameter of Cylinder 25 & 49" Engines made at Newcastle When made 1873

Length of Stroke 30" Pressure of Steam 60 lbs By whom made R. & W. Hawthorn

Registered Horse Power 90

Particulars of Repairs and Examination. The machinery of this vessel has been thoroughly overhauled and repaired also examined in accordance with S.S. No 3. Two pistons have been fitted, rods extended to work through covers, slide valve faces refaced, crank shaft bearing examined and found in good order and condition. Arrangements of Bilge & Sea Suction valves and cocks examined and found in accordance with Society's requirements.

This vessel is fitted with one tubular boiler which has undergone extensive repairs, viz. some bone and plate under some long part superheater in uptake has been removed having been found considerably deteriorated, a new stone bone with contracted neck has been fitted at fore end and, new plate fitted, defective plates at bottom of combustion chamber taken out, new plates fitted, 3 seams in cylindrical shell at bottom unriveted and one of some where considerably deteriorated at bottom's strengthened by a steel plate double riveted, safety valve (lever and weight) examined found loaded to 60 lbs per sq. inch this boiler is sufficient for that pressure for two years.

Wick Boiler examined with in lower furnace seam unriveted, safety valves examined and set to 30 lbs working pressure (2 lever & weight) a casing fitted to prevent accident. Engines & Boilers tried under steam and worked easily ahead and astern.

This vessel was in dry dock all connections to engines & boilers in ship's bottom examined and found in good order, bearing in after end of stem tube down 5/16" to be lined up next time in dock.

Should the notification Lloyd's M. C. be required for this vessel in accordance with Section 39 an additional safety valve will be required for Main Boilers.

The Amount of Fee ... £ 2 : 2 : received by me, George W. Mansel  
 Certificate (if required) ... £ - : - : - 1 April 1879  
 (Travelling Expenses, if any, £ 0 : 5 : 0)

Committee's Minute 18



23098 Jan

New Safety Valve Muck Boiler, Donkey and ash cooling cock raised to above stowhold floor, a Bilge Suction fitted in main hold in connection with engine pumps, and two Boilers fitted,

This Vessel is recommended as being eligible to <sup>retain</sup> her Character as at present notified in the Shipping Register Book, the machinery being in good order and safe working condition

J. W. Mann

The Machinery of this vessel has been examined and repaired at No 3 survey; each paper is not being fitted in accordance with the rules she is not eligible for Lloyd's M. C. but it is submitted is eligible to remain as classed

MM 7.4.79



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