

# Report of Survey for Repairs of Engines and Boilers.

No. *87*

No. in Reg. Book. Survey held at *Newcastle*

Date, first Survey *13<sup>th</sup>* & Last Survey *18<sup>th</sup> April 1878*

*505* on the *Iron SS Holmide*

Master *R. Scarfe*

Tons *375*  
*814*

Owners *A.P. Harrison & Co* Port belonging to *London*

Classed *90 A 1*  
*12.77*

Diameter of Cylinder *3* *25" x 49"*

Length of Stroke *32"*

Pressure of Steam *60lb*

Registered Horse Power *90*

Engines made at *South Shields*

When made *72*

By whom made *Messrs Redhead & Sayer & Co*

Particulars of Repairs and Examination *The Machinery of this vessel has been examined undergoing extensive repairs. New front furnace plate on shell of Boiler. New Steam Dome 4ft diam x 5ft 3 inches high 3/8" plate. Crown dished 3/8" plate and 4 stays 1 3/4" diam from Crown to shell. Shell plate renewed at dome patch on centre furnace mouth. Several extra stays in combustion chamber, about 2 dozen rivets renewed round bottom of shell. 2 new 1 1/2" diameter stays from front of boiler to combustion chamber at wing furnaces. 2 Safety Valves 4 1/2" diameter. Weighted to 60lbs per square inch by Lever & weights. Valve on Ballast Donkey to Bilge to be made more return. Engines overhauled, new ends welded on piston rods and carried up through covers of cylinders for guides. Donkey Boiler in fair condition. Safety Valve loaded to 40lbs per square inch. The above repairs being now completed. The Machinery of vessel is now in good order and safe working condition and eligible in my opinion to retain her class in the Society's Register book.*

The Amount of Fee ... £ *3 : 3 : 0* received by me,

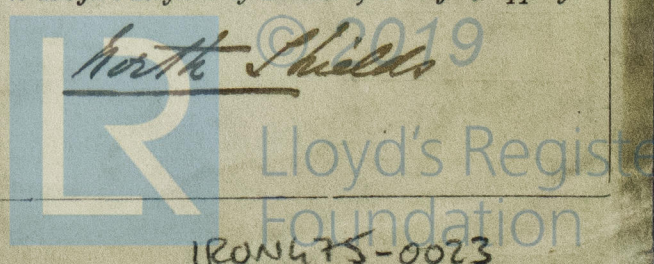
Certificate (if required) ... £ *- : - : -* *1878*

(Travelling Expenses, if any, £ *-*)

Committee's Minute

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

*18*





This drawing has been deposited under  
the inspection of the Society, London.  
Submitted that she is entitled  
to remain as claimed

MD

18-6-78



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