

24454
Report of Survey for Repairs of Engines and Boilers.

No. 28470. *Recd 20, 8-79*
No. in Reg. Book. Survey held at *London* Date, first Survey *Aug 8th* Last Survey *Aug 15* 18*79*
199 on the *S.S. Newburn* Master

Built at *Sunderland* When built *1861*
Tons *1113* Owners *J. Fennell & Co.* Port belonging to *London* Classed *A1*
Last Survey 21 964 Iron Years assigned. *3-78 10-78* Character in Register Book.
Diameter of Cylinder *38* Engines made at *Sunderland* When made *1861*
Length of Stroke *26* By whom made *G. Clark* *NB. 72*
Pressure of Steam *30*
Registered Horse Power *90*

Particulars of Repairs and Examination *Superheater examined, 12 test holes drilled in it to ascertain thickness, the thinnest place found to be 3/16th. This part was at last survey strengthened by two angle irons riveted to it, and an additional stay has now been fitted at thinnest part and two corroded stays have been renewed. Main boilers examined and combustion chambers drilled to ascertain thickness and found to be fairly good. Crank shaft examined the flaw in aft pin observed at last survey has not extended in length but appeared to be more open, a turned iron bolt 3" dia has now been fitted through the pin to strengthen it. The cylinders &c have been overhauled. Condenser tubes all drawn and cleaned and replaced with new wood ferrules. Feed pump overhauled, also stop and safety valves. The machinery & boilers of this vessel are now in good order & safe working condition and in my opinion render the vessel eligible to retain her class in the Register Book and to have B & M.S. 79 recorded in red; At the same time I am of opinion that the superheater ^{and crankshaft} should be again examined at the expiration of six months from this date*

The Amount of Fee ... *18/9/79* £ *1 : 1* : *0* received by me, *James J. Milton*
Certificate (if required) ... £ *0* : *0* : *0* 20th Sept 1879
(Travelling Expenses, if any, £)
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute *19th September, 1879.*
B & M.S. 8, 79
corrected limit of 6 months
JBW

IRON 487-0286