

# Report of Survey for Repairs of Engines and Boilers.

No. *4051* *Report on Engines No 112*  
 Reg. Book. Survey held at *West Hartlepool* Date, first Survey *30<sup>th</sup> July* Last Survey *20<sup>th</sup> August* 18*78*  
*543* on the *S.S. Golden Horn* Master  
 Tons *1464* Owners *J. Gray & Co* Port belonging to *W. Hartlepool* Years assigned *90* Character in Register Book *A1*

Diameter of Cylinder *29 1/2" x 59"* Engines made at *Stockton on Tees* When made *1873*  
 Length of Stroke *36"* Pressure of Steam *65 lbs* By whom made *Blair & Co (Linn)*  
 Registered Horse Power *130*

Particulars of Repairs and Examination *Vessel placed in dry dock. Sea Cocks overhauled. Wood in stern bush renewed. New end welded on propeller shaft and propeller refitted on same. New low pressure cylinder. Pistons, slide valves, bilge, feed, circulating and air pumps overhauled. Crank shaft lifted out of its place and new white metal run in main bearings. Safety valves overhauled.*

*Boilers retubed. Some caulking done to seams on bottom of boiler shells. Three stays fitted in each steam dome. Main safety valves tested under steam and adjusted to blow off at 65 lbs pressure.*

*Several rivets for securing furnace plating to shell on donkey boiler renewed, and the donkey boiler caulked and repaired where necessary.*

*It is recommended that the vessel is eligible to remain as classed in the Register Book*

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

Certificate (if required) ... £ : : *24 Aug 1878*

(Travelling Expenses, if any, £ )

Committee's Minute *18*

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

*West Hartlepool*



It is submitted that—  
this vessel is eligible  
to remain as claimed

In 26/8/78



© 2019

Lloyd's Register  
Foundation