

Report of Survey for Repairs of Engines and Boilers.

No. 77
 No. in Reg. Book. 434 on the S.S. "Jafgar" Master J. Minto
 Survey held at Newcastle Date, first Survey 1st March Last Survey 23rd March 1878
 Tons 973 Owners Belton & Donkin Port belonging to London Character in Register Book. 90 A. 1.
1574 Years assigned. 12, 76

Diameter of Cylinder 5 24 5/8 Engines made at London When made 1871
 Length of Stroke 33 Pressure of Steam 60 lbs
 Registered Horse Power 120 By whom made Maudslays Sons & Field

Particulars of Repairs and Examination. The machinery of this vessel has been examined for Special Survey No. 2. Engines generally overhauled, new crank shaft satisfactory. Pistons truck up in bath, junk and packing rings refitted, and new rock glands to feed and bilge pumps. Boilers overhauled and retubed, also 4 new stays fitted inside of steam domes from crown to shell of boilers to fulfill Society's requirements, 2 Safety Valves on each boiler 1 Cover, and 1 dead weight, satisfactory. 1 Safety Valve on Donkey boiler dead weight, satisfactory. Bottom part of furnace in Donkey boiler renewed, Examined Sea cocks, Propeller, and Stern bush when the vessel was on wall and Slip way. Satisfactory.

The above repairs being completed in a satisfactory manner this vessel previous to going to sea went on a trial outside of Lynemouth bar, where owing to a back down of the Engines she touched the ground twice. This vessel was subsequently Docked for examination; on examining her machinery found High pressure Cylinder cover broken in several pieces, High pressure piston and junk ring broken also High pressure cylinder flange cracked above the steam port, the other portions of her machinery, including propeller and shafting did not appear to have sustained any injury, also examined Sea cocks, Kingston Valves and connections which were found satisfactory. New High pressure piston, junk ring, and cylinder cover are being fitted, and strong brass patch fitted over the cracked portion of cylinder flange and steam port.

The above repairs being now completed, the machinery of this vessel is now in good order and safe working condition, and in my opinion eligible to receive the notification No. 2. in red in the Society's Registration books.

The Amount of Fee ... £ 5 : 5 : received by me, T. Spring
 Certificate (if required) ... £ " : 5 : 26 Apr 1878 } John Brockett
 (Travelling Expenses, if any) ...

This vessel ~~is~~ ^{has} received damage to
her machinery. It has been repaired under
the inspection of the Society's Engineer
Surgeon, and is now in good condition.
Submitted that she is eligible to
have the notification they do
M.C. in the Register with
and a Machinery Certificate
from 23 March 1878

MM 29.4.78



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