

* 16873

Report of Survey for Repairs of Engines and Boilers.

(rec^d 14.8.76)

No. 272 on the Screw Steamer Agnes & Louisa
 Owners S. Clark & Co Port belonging to London
 Date, first Survey July 24th Last Survey August 5th 1876
 Tons 436
 Character in Register Book. 90 A 1
 Years assigned. 11. 75
 Classified —

Diameter of Cylinder 25" 14 8"
 Length of Stroke 30 Engines made at Gateshead When made 1872
 Pressure of Steam 65 lbs
 Nominal Horse Power 90 By whom made Black Hawthorn & Co

Particulars of Repairs and Examination Cylinders and slide faces examined and found in good condition. High pressure piston has been broken, in way of one of pin & ring bolts, and will be renewed, H.P. cyl cover has crack in it, but not at all dangerous. Condenser tubes all drawn

cleaned and repacked with new wood ferrules. Partition plate between High and Low pressure slide Chests rejoined. New Bilge suction valve to Donkey fitted, separate from spindle so as to render it impossible to run water from Sea into Bilge.

Boiler examined, found combustion chamber plating bulged between stays, and blistered in two places. Plating in back combustion chamber patched, and several new screw stays fitted. New patch fitted on back of boiler. The centre box of tubes renewed, and several of outer boxes renewed where they had been drawn to enable boiler to be thoroughly cleaned.

Superheater drilled in two places to ascertain its condition found to be 7/16 thick and in good order. This boiler has a dome fitted, 3 feet diameter, (Dia of boiler 12.6), but the shell plates underneath do not, in my opinion, require staying the round up being only twice the thickness of shell plates.

Safety valves overhauled, found to have been loaded to 69 lbs per sq inch. Load reduced to 65 lbs per square inch. Boiler tested to 70 lbs to prove its tightness after the repairs. Four stays fitted in Donkey Boiler.

The machinery and boiler of this vessel are now in good order and safe working condition.

The Amount of Fee ... 16/8/76 £ 8 : 3 : 0 - received by me, W. B. James Milton
 Certificate (if required) ... £ : : 1876
 (Travelling Expenses, if any, £)

Committee's Minute 18

