

Report of Survey for Repairs of Engines and Boilers.

No. 391 No. in Reg. Book. Survey held at London Friday, 2nd June, 1882. Date, first Survey 25 Feb^{ry} Last Survey 2nd May 1882

on the Machinery of the Screw Steamer 'Douglas' (Number of Visits 11)

Tonnage, Gross 1022 Built at Whitby When built 1873

Ditto, Net 648 Owners Pyman Bell & Co Port belonging to Southpool

Diameter of Cylinder 25½" & 51½" Engines made by Blair & Co When made 1873

Length of Stroke 33" Boilers made by Do When made 18

Pressure of Steam 65 lbs. If Surveyed Afloat or in Dry Dock Do (State name of Dock.) Years assigned 90 A1 Character in Register Book 4.81

Registered Horse Power 99 Classed Do

Last Survey No. Port B.M.S. 4.81

Particulars of Repairs and Examination of engines and boilers in consequence of

(State cause of Repairs.) damage sustained through being sunk in the river Thames by collision with the S.S. "Duke of Buckingham" on the 26th October 1881

On examination found the propeller blades broken off, the crank shaft fractured round the fillet of the fore web of the after crank; the high pressure piston rod damaged at the top end; cylinders, pumps, condenser valves, pipes, Feed Water Ballast Donkeys more or less damaged and choked with mud;

The main boiler smoke box tubes & sides of furnaces thinned by corrosion & donkey boiler damaged beyond repair.

The working parts of the engines have been opened up and cleaned, a new crank shaft fitted, stern pipe drawn in, bush rewooded, and propeller shaft tested in the lathe, new propeller fitted, the intermediate shafts reamed all the bridge, feed, water ballast & steam pipes disconnected repaired and tested; the main boiler retubed & two patches fitted on the furnaces.

Safety valves adjusted to 65 lbs. working pressure

New Donkey boiler built in accordance with the Rules & fitted on the main deck, safety valve set to 50 lbs. working pressure.

The whole of the damage to platforms, hand rails & donkey engines have been made good & the missing output & spare gear replaced.

General Observations, Opinion, and Recommendation:— The machinery of this vessel is now in good order and safe working condition and eligible in my opinion to have the notification B.M.S. 4.82 recorded in the Society's Register Book

Entry or Registering Fee... £ 5/6 (per Section 27.)

Survey Fee (per Section 28) ... £ 5 : 5 : 0 received by me, David Jones

Certificate (if required) ... £ 7/6 : 7/6 : 1882

to be sent as per margin.

(Travelling Expenses, if any, £)

Committee's Minute Tuesday, 6th June, 1882.

Assigned B.M.S. 5.82

London

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

Lloyd's Register Foundation

LOV668-0237