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# Report of Survey for Repairs of Engines and Boilers.

Dec 16. 6. 76.

No.

No. in Reg. Book. Survey held at London

Date, first Survey May 26<sup>th</sup> Last Survey June 6<sup>th</sup> 1876

13 on the Screw Steamer C. S. Butler

Tons 517  
713

Owners S. Clarke & Co

Port belonging to London

Classed — Years assigned. — Character in Register Book. A 1  
10.75

Diameter of Cylinder 35 inches

Length of Stroke 30 inches

Pressure of Steam 35 lbs.

Nominal Horse Power 80

Engines made at Newcastle

When made 1865

By whom made Stephenson

## Particulars of Repairs and Examination

Engines — New slide jacket cover and new ends on slide rods. Cylinder face patched with several brass strips pinned on. Slides refaced. Crank pin and crosshead brasses refitted. Condenser overhauled, half the tubes taken out, cleaned and replaced with new india rubber packing rings. Donkey bilge suction valve cut from its spindle, making it a non-return valve, and thus rendering it impossible to run water from the sea into the bilge. Crank pins examined.

Boiler — Five new plates  $\frac{3}{8}$  thick fitted at back of Combustion chamber,  $\frac{1}{2}$ " screw stays fitted to do. Middle Furnace patched in middle at support of bearing bar. Neck piece fitted from back of boiler to ~~back~~ Combustion chamber, to admit air at back of bridges. New mudhole door cut at back of boiler. Boiler examined internally. a few of longitudinal stays found slightly corroded, but not so much as to reduce size below that at bottom of thread.

The machinery is now in good order and safe working condition

(Condition of Engines and Boilers, and subsequent Repairs and Examinations, to be clearly stated.)

The Amount of Fee ... 19/6 £ 1 : 1 : 0 received by me,

Certificate (if required) ... £ : : 24 June 1876

(Travelling Expenses, if any, £ )

Committee's Minute

18

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

London

Lloyd's Register Foundation

Not for Committee per R.S.

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