

23896

# Report of Survey for Repairs of Engines and Boilers.

No. 101

No. in Reg. Book. Survey held at Goole

Date, first Survey 25<sup>th</sup> May

Last Survey 30<sup>th</sup> June 1879

105 on the Iron Screw Steamer 'Paradox'

Master Woodhead

Built at Glasgow

When built 1857

Tons 226  
358  
298

Owners N. France

Port belonging to Goole

Classed

Years assigned.

Character in Register Book.

A 1  
11.77

Diameter of Cylinder 12" + 24"

Length of Stroke 26"

Engines made at Bull

Pressure of Steam 70 lbs. per sq. inch

By whom made Gilbert & Cooper

When made 1871  
New Boiler & 2 new Cylinders (H.P.) 1877

Registered Horse Power 53

Particulars of Repairs and Examination of Engines & Boilers in accordance with the requirements of the rules for special survey No. 2 for iron ships.

New Propeller shaft fitted into ship with new keys for Propeller and new brass bush in the stern tube.

A new Cast iron Stern Tube bored & fitted complete.

A new brass Ram for Engine butge pump.

H. P. Cylinders taken off and Pistons examined. Crank shaft journals all opened. the Pins have some seams of ordinary type & other wise in good condition main bearings in good order. H. P. slide valves drawn. these & the cylinder faces found in good condition. Safety Valves examined. Boiler examined internally found in good order. Stays in steam space good. Guides & screwed stays good. Long Stays in wings over furnaces worn.

Stern Tube repacked. Sea cocks examined & repacked. Machinery generally in good order.

The following deviations from Section 39 of the Society's rules occur in the fittings of this vessel.

Only one Safety valve fitted with Easing gear.

No discharge Valves on ship's side to the smaller discharge pipes.

All Locks & Valves are not above the plates of platform & all sea cocks not on skin.

Bilge pump suction not direct to all compartments.

No guard on inner blow off cock. Sea water could flow into bilge thro' bilge inspection.

No communication to shaft when cargo is in after hold.

Safety valve on donkey boiler less than req'd area. (by rules)

Is eligible in my opinion to remain as classed.

The Amount of Fee ... £ 3 : 3 : - received by me,

Certificate (if required) ... £ - : - : 30<sup>th</sup> June 1879

(Travelling Expenses, if any, £ 2.2.0)

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

Committee's Minute



The Machinery of this vessel has been examined  
and repaired at No. 2 survey - and is reported  
to be in good condition but so far as her  
locks and keels are concerned they are not  
fitted in accordance with the rules, it  
is submitted that she is eligible  
to remain as licensed - and have  
the modification B & M. S. in  
the Register Book - 6.79  
also the note 2.1.1. 6.79 -

M 7.7.79



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