

S.P. Joseph Rickett 25219 *Per 14/7/79*
LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Compound
Description *Int. Cyl. Surface Condensing*
Made by *Messrs John Key & Sons*
When *June* 1879 At *Kirkcaldy*
Diameter of cylinders *24" & 46"* Length of stroke *33"*
No. of revolutions per minute *85*
Point of cut off *$\frac{2}{16}$ H. $\frac{12}{16}$ H. 2 P. cylinders*
Diameter of screw shaft *$7\frac{3}{4}$ " in body $8\frac{1}{2}$ " stem tube*
Diameter of crank shaft journals *$8\frac{1}{4}$ " inches*
Diameter of screw, ~~or of paddle wheel~~ *11" 6"*
Pitch of screw *14 feet*
No. of blades, *4* Total surface *38.5 feet*
No. of bilge pumps *one* and sizes *3" Dia 22" stroke*
Do they pump from each compartment *after well and engine room*

Are all the bilge suction pipes fitted with roses *Yes*
No. of feed pumps *one* and sizes *3" Dia 22" stroke*
What gauges are there attached to the engines and boilers ... *one water on boiler one pressure in stoke hold one each vacuum on engines one int. Cyl. $8\frac{1}{2} \times 8\frac{1}{2}$ "*
Description and size of Donkey Pumps ... *4" D.A. pump one Hottel $10" \times 10"$ 8" D.A. pump*
Where do they pump from ... *feed from sea. Hottel through condenser to boiler and on deck ballast from sea. tanks. engine room bilge through ship side*
No. of bilge injections *one* and sizes *3" bore*
Are they connected to air, or circulating pumps *circulating*
Is there a hand pump in the engine room *not but donkey*
Can it be worked by the main engines *made to work by hand*
Is there a deck hose of sufficient length to reach to any part of the vessel *Yes*

MAIN BOILERS.

Number *one* Description *Circular Subular*
Made by *Messrs John Key & Sons*
When *June* 1879 At *Kirkcaldy*
Working pressure *80 lbs*
Tested by hydraulic pressure to *160 lbs*, Date *11.4.79*
Description of super-heating apparatus *none*
Can each boiler be worked separately

Can the super-heater be shut off and the boilers worked separately
Description and area of safety valves on each boiler ... *Two Adams Spring 28.38 square inches area*
No. of square feet of fire-grate surface in each boiler *51 feet*
Are there separate blow off and brine cocks on each boiler, independent of those on the vessel's skin *Yes*
Are all pipes, cocks, roses, and pumps in connection with the machinery accessible at all times. *Yes*

DONKEY BOILER.

Description *Round Vertical*
Where fixed *Stoke hold*
Working pressure *60 lbs*

Tested by hydraulic pressure to *160 lbs*, Date *10.5.79*
Description and area of safety valves *one Adams Spring 7 inch area*
No. of square feet of fire grate *12 feet*

PIPES, COCKS, AND CONNECTIONS.

Are all connections with the sea direct on the skin of the ship *Yes*
Are they Kingston valves or common cocks ... *cocks and valves*
Are they fixed sufficiently high on the ship's side to be seen without lifting the stoke hold plates ... *Yes*
Are the discharge pipes above or below the deep water line *above*
Are they each fitted with a discharge valve on the plating of the vessel *Yes*

What pipes are carried through the bunkers *none*
How are they protected
When were the stern tube, propeller, screw shaft, and all connections examined in dry dock *Before launch 22.2.79*
Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilge *Yes*
Is the screw shaft-tunnel water tight and fitted with a sluice door on bulkhead *Yes*

John Key & Sons Manufacturer.

I hereby certify that the whole of the above are correct particulars of the Machinery and Boilers of the Iron (~~or Wood~~) Screw (~~or Paddle~~) Steam Vessel "*Joseph Rickett*" owned by *Messrs Jamman Son & Carter* of the Port of *London* of *449.41* Tons Register, and *90* Registered Horse Power, and that they have been carefully inspected and examined by me at *Kirkcaldy* and found to be at this date, viz., *11th June* 1879 in good order and safe working condition.

Amount of Fee for Survey *£5 : 0 : 0*
(Travelling Expenses, if any, *£5.3.4*)

John Jamman
Engineer Surveyor to Lloyd's Register of Shipping.

The. Maching of this vessel has been
built and fitted in accordance with the
rules, submitted that she is eligible to have
Lloyd's M.C. and a maching certificate. Jm
11 June 1879.

MD 17.7.79



© 2019

Lloyd's Register

FOOTNOTES

425