

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER SURVEYOR'S REPORT ON MACHINERY.

ENGINES.

Rev 26/8/78

Description *Compound*
 Made by *M^r Martin Samuelson*
 When *Oct 1872* At *Hull*
 Diameter of cylinder *24 3/8 x 48* Length of stroke *30*
 No. of revolutions per minute *65*
 Point of cut off
 Diameter of screw shaft *7 5/8*
 Diameter of crank shaft journals *8*
 Diameter of screw, ~~or of paddle wheel~~
 Pitch of screw
 No. of blades, *4* Total surface *37 feet*
 No. of bilge pumps *two* and sizes *5" Dia 10" Stroke*
 Do they pump from each compartment *yes*

Are all the bilge suction pipes fitted with roses -
 No. of feed pumps *two* and sizes *5" Dia 10" Stroke*
 What gauges are there attached to the engines and boilers ... *two water on boiler, one pressure & vacuum on engines in stoke hold, one each pressure & vacuum on engines*
 Description and size of Donkey Pumps ... *one upright for tank & bilge one upright*
 Where do they pump from ... *from sea through condenser to boiler and on deck*
 No. of bilge injections *one* and sizes *5" Dia*
 Are they connected to air, or circulating pumps *Condenser*
 Is there a hand pump in the engine room *none*
 Can it be worked by the main engines - - -
 Is there a deck hose of sufficient length to reach to any part of the vessel *yes*

MAIN BOILERS.

Number *one* Description *Steel Circular Tubular*
 Made by *Messrs Hall Russell & Co*
 When *Aug 1878* At *Aberdeen*
 Working pressure *65 lbs*
 Tested by hydraulic pressure to *130 lbs*, Date *18.7.78*
 Description of super-heating apparatus *Vertical Domb*
 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 spring loaded by 7/16 x 1/2 28.38" area*
 No. of square feet of fire-grate surface in each boiler *45 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 *one round upright 5' 0" x 8' 0"*
 Where fixed *on deck*
 Working pressure *50 lbs*

Tested by hydraulic pressure to _____, Date _____
 Description and area of safety valves *one direct load 3.9 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 ... *no but have been fixed with glands and keys to unship when shut*
 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
 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*

Hall, Russell & Co Manufacturers of Boiler

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 *"Maria Louisa"* owned by *Messrs Adam & Co* of the Port of *Aberdeen* of *554* Tons Register, and *90* Registered Horse Power, and that they have been carefully inspected and examined by me at *Aberdeen* and found to be at this date, viz., *10th August 1878* in good order and safe working condition.

Amount of Fee for Survey ... £4:4:0

(Travelling Expenses, if any, £5:12:6)

[1000-1/9/76.]

Has Received by me 22 August and sent to Dundee Surveyor J. H. Kettle

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

Dundee

IRON 679-0493

It is submitted that this
vessel is eligible to have
certif granted: and
Lloyds MC. 8.78 & MB 78
recorded.

Am 26/8/78



© 2019

Lloyd's Register
Foundation