

12655 In

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

The following is a true Account of the Particulars of the Machinery and Boilers:—

ENGINES.—Here state description of Engines, whether Direct Acting or Geared, Inverted, Horizontal, Diagonal, or Oscillating Cylinders No. of Cylinders, &c.

A pair of direct acting Compound surface
Condensing Engines with two cylinders —

ENGINES, maker of	Hall Russell & Co	Bilge Pumps, No. (one) and size	4 inches
„ age of	New	Feed „ No. (one) and size	3 1/2 in
„ last time taken out		Spare gear, if usual quantity on board Vessel	Yes
„ present condition	Good	Fuel, where stowed	In bunkers
Diameter of Cylinder	22 & 37 inches	„ space between Coal Bunkers and Boilers	Ample
Length of stroke	2 ft 6 inches	„ for what quantity is space provided	60 tons
No. per minute of Engines	70	Donkey Engine and Boiler	Yes
„ of Screw	70	„ if fitted in Engine Room or on Deck	Engine room
Estimated power	60 H.P.	„ can pump be worked by hand	Yes
Effective power	240 H.P.	„ size of pump (4 1/2) and stroke	10 inches
Diameter of Screw (or Paddle Wheels)	11 & 6	„ is hose of sufficient length to reach every part of the Vessel	Yes
Pitch of Screw	13 & 6	No. (one) and continuation of hand pumps, if fitted in Engine Room	Yes
No. of Blades (or Floats)	four		
Description of Screw (or Floats)	Common		
Holding down Bolts, size	Ample		
„ present condition	Good		

BOILER.—Here state description of Boiler, and No.; if Tubular, or Flues; No. of Furnaces; if fitted with superheating apparatus; if Fired athwartships, or from fore, or after end of Boiler, &c.

Horizontal cylindrical tubular boiler, three
furnaces and fired from after end of boiler —

BOILER, maker of	Hall Russell & Co	Can each Boiler be used separately	only one boiler.
„ age of	New	What clear space between top of Boiler and woodwork	No wood work over boiler
„ when last taken out		What clear space between Funnel and woodwork	No wood near funnel
„ present condition	Good	Are Engine and Boiler Keelsons well connected fore and aft	Yes
„ working pressure	60 lbs		
No. of surface Blow off Cocks to each Boiler	one		
SCREW SHAFT length	47 ft diameter 7 1/4	Thickness of plating	3/16
width		height	
	if water-tight door on Engine Bulkhead.	Yes	

Port Aberdeen 30 day of April 1874

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Maratali" belonging to Aberdeen whereof John Stewart is Master, Tons Register, and 60 H.P. have been carefully inspected and examined by us at Aberdeen and we found the same, at this date, in good order and safe working condition.

Hall Russell & Co

Marine Engineers.



Lloyd's Register
Foundation