

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

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
age of New
when last taken out
present condition Good
working pressure 60 lbs
No. of surface Blow off Cocks to each Boiler one
Can each Boiler be used separately Only one boiler.
What clear space between top of Boiler and woodwork No wood work over
What clear space between Funnel and woodwork No wood near funnel
Are Engine and Boiler Keelsons well connected fore and aft Yes
SCREW SHAFT length 47 feet diameter 7 1/4" casing thickness of plating 3/16 height
width 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 SHIP 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