

Report No. 2044

1906. Iron

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.

Direct Acting Inverted Cylinders & Surface Condensing Engines. No of Cylinders Two.

ENGINES, maker of Tho. Richardson & Sons
Age of
Last time taken out
Present condition New
Diameter of Cylinder 36 inches
Length of stroke 30
No. per minute of Engines 70
of Screw 70
Estimated power 86
Effective power 360
Diameter of Screw (or Paddle Wheels) 12 1/2
Pitch of Screw 16 1/2
No. of Blades (or Floats) 4
Description of Screw (or Floats) G. W. Jeffrey's
Holding down Bolts, size 1 1/2 ins.
Present condition New

Bilge Pumps, No. (one) and size 3 1/4 x 30 Stroke
Feed No. ( ) and size
Spare gear, if usual quantity on board Vessel Yes
Fuel, where stowed Side Bunkers.
space between Coal Bunkers and Boilers 6
for what quantity is space provided
Donkey Engine and Boiler on Deck
if fitted in Engine Room or on Deck In Engine Room
can pump be worked by hand No. A Separate Hand Pump
size of pump (6 1/2) and stroke 10, Double Acting
is hose of sufficient length to reach every part of the Vessel Yes
No. ( ) and continuation of hand pumps, if fitted in Engine Room One Hand Pump in Engine Room 4 1/4 x 10 Stroke Single Acting

Are the shut-off valves or cocks of all openings for the inlet or outlet of water in connection with the Engines & Boilers fitted close to the ship's sides, and are they accessible at all times? 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.

One Boiler, Circular Tubular, Three Furnaces, fitted with Superheater, & Fired from fore End.

BOILER, maker of Tho. Richardson & Sons
Age of
When last taken out
Present condition New
Working pressure 145 lbs per sq. inch
No. of surface Blow off Cocks to each Boiler One Bottom & one Surface Blow off Cock

Can each Boiler be used separately Single Boiler
What clear space between top of Boiler and woodwork 2-6
What clear space between Funnel and woodwork 1-0
Are Engine and Boiler Keelsons well connected fore and aft Yes

SCREW SHAFT length 76-3 diameter 7 1/4 Tunnel, thickness of plating height 4-6
width 3-9 if water-tight door on Engine Bulkhead. Yes

Port Hartlepool 9th day of April 1870

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Magdala" belonging to whereof is Master, Tons Register, and 86 H.P. have been carefully inspected and examined by me at Hartlepool and I found the same, at this date, in good order and safe working condition.

George W. Jeffrey

