

Report No 13026

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.

Two cylinders; direct acting inverted, compound, surface condensing.

ENGINES, maker of Messrs Tod & M. Gregor, Glasgow.
age of
last time taken out
present condition
Diameter of Cylinder High Pressure Cy: 29; Low Press Cy: 55 ins
Length of stroke 2 feet 9 ins
No. per minute of Engines
of Screw 70
Estimated power 120
Effective power 540
Diameter of Screw (or Paddle Wheels) 15 feet 3 ins
Pitch of Screw 19 feet
No. of Blades (or Floats) 11
Description of Screw (or Floats) Jaffrey's Differential Pitch
Holding down Bolts, size 3 ins
present condition New

Bilge Pumps, No. (2) and size 4 inches
Feed No. (2) and size 4 inches
Spare gear, if usual quantity on board Vessel Yes
Fuel, where stowed Side Bunkers
space between Coal Bunkers and Boilers Corniches
for what quantity is space provided
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 3/4) and stroke 8 inches
is hose of sufficient length to reach every part of the Vessel Yes
No. (1) and continuation of hand pumps, if fitted in Engine Room In Engine Room

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.

Two circular Tubular Boilers, fired from both ends, fore and aft; 4 furnaces to each boiler; Horizontal Superheater fitted between boilers.

BOILER, maker of Messrs Tod & M. Gregor, Glasgow
age of
when last taken out
present condition
working pressure 80 lbs
No. of surface Blow off Cocks to each Boiler 1

Can each Boiler be used separately Yes
What clear space between top of Boiler and woodwork 8 feet
What clear space between Funnel and woodwork 8 feet
Are Engine and Boiler Keelsons well connected fore and aft Yes

SCREW SHAFT length 82 feet 2 ins diameter 7 3/4 inches Tunnel, thickness of plating 1/4 inch height 5 feet
width 4 feet if water-tight door on Engine Bulkhead Yes

Port of Hartlepool 6th day of January 1872

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel named Maud belonging to Messrs J. Harcourt & Sons whereof Brittain is Master, 829 Tons Register, and 120 H.P. have been carefully inspected and examined by us at Hartlepool and we found the same, at this date, in good order and safe working condition.

Tod and M. Gregor -
George W. Jaffrey
Marine Engineers.