

9998

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.

Inverted, Direct Acting — No. of Cylinders — Two

ENGINES, maker of G. Clark
age of 6 years
last time taken out October, 1841
present condition good, just had their repairs
Diameter of Cylinder 3 1/2 inches
Length of stroke 28
No. per minute of Engines 70
of Screw 70
Estimated power 70
Effective power 280
Diameter of Screw (or Paddle Wheels) 9 feet
Pitch of Screw 16 1/2
No. of Blades (or Floats) 8
Description of Screw (or Floats) expanding pitch
Holding down Bolts, size ordinary
present condition good

Bilge Pumps, No. (2) and size 3 5/8 in.
Feed No. (2) and size 3 5/8
Spare gear, if usual quantity on board Vessel yes
Fuel, where stowed alongside of Boilers
space between Coal Bunkers and Boilers 9 inches
for what quantity is space provided about 90 tons
Donkey Engine and Boiler Don
if fitted in Engine Room or on Deck fitted in Engine room
can pump be worked by hand yes
size of pump (5 in) and stroke 7 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 fitted 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.

one Boiler - Multitubular. Four Furnaces, fitted with Superheating apparatus - fired from after end of Boiler.

BOILER, maker of built at Rygham Dockyard
age of not known
when last taken out
present condition new back & front tubular plates and tubes put in, all safe parts in good order
working pressure 17 lbs
No. of surface Blow off Cocks to each Boiler two

Can each Boiler be used separately only one Boiler
What clear space between top of Boiler and woodwork 2 feet
What clear space between Funnel and woodwork 6 feet
Are Engine and Boiler Keelsons well connected fore and aft yes

SCREW SHAFT length about 15 ft diameter 4 1/2 inches Tunnel, thickness of plating 3/16 in height about 2 ft
width 3 ft if water-tight door on Engine Bulkhead. yes

Port of Sunderland 21st day of November 1841

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel Bartlepool belonging to G. J. Howley whereof R. S. Newton is Master, 1445 Tons Register, and 70 H.P. have been carefully inspected and examined by us at Sunderland and we found the same, at this date, in good order and safe working condition.

MR. S. LARSON
John Dickson Register
Marine Engineers.
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