

Report No. 3760

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 Compound Screw Engines with Inverted Cylinders & surface condenser

ENGINES, maker of Black Hawthorn & Co
age of new
last time taken out
present condition quite satisfactory
Diameter of Cylinders 25" & 48"
Length of stroke 30
No. per minute of Engines about 60
of Screw
Estimated power Nominal 90 Horse
Effective power about 360 indicated Horse
Diameter of Screw (or Paddle Wheels) 12' 6"
Pitch of Screw about 17 feet
No. of Blades (or Floats) four
Description of Screw (or Floats) increasing pitch
Holding down Bolts, size 5 bolts 2" diam & 14 bolts 1" diam
present condition quite satisfactory

Bilge Pumps, No. (two) and size 2 7/8" rams
Feed ,, No. (two) and size 2 7/8" rams
Spare gear, if usual quantity on board Vessel
Fuel, where stowed on both sides of engine room
space between Coal Bunkers and Boilers six inches
for what quantity is space provided about 110 tons
Donkey Engine and Boiler yes
if fitted in Engine Room or on Deck donkey boiler on deck
can pump be worked by hand yes
size of pump () and stroke two donkeys one for ballast with 6" double acting pump one for feed with 4 1/2" bolts
is hose of sufficient length to reach every part of the Vessel yes
No. () and continuation of hand pumps, if fitted in Engine Room both donkeys are 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 cylindrical multitubular boiler with three furnaces fired from fore end, superheating apparatus & dome

BOILER, maker of Black Hawthorn & Co
age of new
when last taken out
present condition quite satisfactory
working pressure sixty five pounds
No. of surface Blow off Cocks to each Boiler one surface & one bottom blow off cock
SCREW SHAFT length about 28 ft diameter 2"
width if water-tight door on Engine Bulkhead. yes

Can each Boiler be used separately there is only one boiler
What clear space between top of Boiler and woodwork 4' 9"
What clear space between Funnel and woodwork two feet
Are Engine and Boiler Keelsons well connected fore and aft yes
Tunnel, thickness of plating none height there is no tunnel

Port Gateshead the 15th day of April 1872

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Agnes Louisa" belonging to whereof is Master, 436-37 Tons Register, and 90 H.P. have been carefully inspected and examined by us at Gateshead & at New Castle and we found the same, at this date, in good order and safe working condition.

for Black Hawthorn & Co
Marine Engineers,
Lloyd's Register
Foundation