

10143 Iron Ship

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 cylinder engines compound type fitted with surface condenser two cylinders

ENGINES, maker of North Eastern Marine Engineering Co Bilge Pumps, No. (2) and size 3 1/2 dia 30 stroke
age of
last time taken out
present condition very good
Diameter of Cylinders 25 3/4 & 30
Length of stroke 30
No. per minute of Engines 65
of Screw
Estimated power 98
Effective power 480
Diameter of Screw (or Paddle Wheels) 12' 0"
Pitch of Screw 12 to 14 feet
No. of Blades (or Floats) 4
Description of Screw (or Floats) Cast Steel
Holding down Bolts, size 1 1/2
present condition very good
Bilge Pumps, No. (2) and size 3 1/2 dia 30 stroke
Feed ,, No. (2) and size 3 dia 30
Spare gear, if usual quantity on board Vessel yes
Fuel, where stowed in bunkers, side & athwartships
space between Coal Bunkers and Boilers 9
for what quantity is space provided 700 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 (6 ") and stroke 9
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 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 force, or after end of Boiler, &c.

Two multitubular oval boilers with two furnaces each and superheater fired from forward end

BOILER, maker of North Eastern Marine Engineering Co Can each Boiler be used separately yes
age of April 1870
when last taken out never
present condition very good
working pressure 60 lbs
No. of surface Blow off Cocks to each Boiler 1 surface & 1 bottom
SCREW SHAFT length 57' 9 diameter 8" Tunnel, thickness of plating 5/16 height 6' 0"
width 3' 9" if water-tight door on Engine Bulkhead. yes
What clear space between top of Boiler and woodwork 5' 3"
What clear space between Funnel and woodwork 2' 9"
Are Engine and Boiler Keelsons well connected fore and aft yes

Port Newcastle on Tyne 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 Annie Anslie belonging to London whereof W. Stephenson is Master, 846.5 Tons Register, and 98 H.P. have been carefully inspected and examined by us at Horden on Tyne and we found the same, at this date, in good order and safe working condition.

Thomas Rose
John Rankine
Marine Engineers.