

181449m

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:—

Rec 12/4/99

ENGINES.—Here state description of Engines, whether Direct Acting or Geared, Inverted, Horizontal, Diagonal, or Oscillating Cylinders No. of Cylinders, &c.

Compound, inverted, direct acting, 2 cylindrical engine

ENGINES, maker of J. Jack, Rollo & Co.
age of 1873 made
last time taken out Never
present condition Good
Diameter of Cylinder 40" x 40"
Length of stroke 36"
No. per minute of Engines 63
of Screw
Estimated power 274 H.P.
Effective power 100.5 H.P.
Diameter of Screw (or Paddle Wheels) 15.2"
Pitch of Screw 19 1/2"
No. of Blades (or Floats) 4
Description of Screw (or Floats) Cast iron fixed blades
Holding down Bolts, size 1 1/2" dia.
present condition Good

Bilge Pumps, No. (2) and size 5 1/2 x 1-6" stroke
Feed No. (2) and size 4 1/2 x 1-6" stroke
Spare gear, if usual quantity on board Vessel Usual quantities
Fuel, where stowed Midship & Forward
space between Coal Bunkers and Boilers 8"
for what quantity is space provided 1020
Donkey Engine and Boiler Yes
if fitted in Engine Room or on Deck Boiler on deck
can pump be worked by hand Yes
size of pump () and stroke 5 1/2" x 9" stroke
is hose of sufficient length to reach every part of the Vessel Yes
No. () and continuation of hand pumps, if fitted in Engine Room 2 on suction from deck to engine room bilge and pump in engine room with suction & discharge same as fired donkey.

BOILER.—Here state description of Boiler, and No.; if Tubular, or Flues; No. of Furnaces; if fitted with superheating apparatus; if Fired donkey, athwartships, or from fore, or after end of Boiler, &c.

2 Double ended circular boilers, tubular, 8 total furnaces, fitted with superheating apparatus, fired from fore & aft.

BOILER, maker of J. Jack, Rollo & Co.
age of 1873 made
when last taken out Never
present condition Good
working pressure 60 lbs
No. of surface Blow off Cocks to each Boiler 1 to each boiler

Can each Boiler be used separately Yes
What clear space between top of Boiler and woodwork Open to iron top of stokehole coaming.
What clear space between Funnel and woodwork 3-6" between funnel & deck, through which it passes.
Are Engine and Boiler Keelsons well connected fore and aft Yes

SCREW SHAFT length 96 ft diameter 11-10 1/2" Tunnel thickness of plating 7/16 height 5'-9"
width 4'-0" if water-tight door on Engine Bulkhead. Yes

From aft bulkhead to aft coupling of crankshaft. Port Southampton 26 day of March 1877

hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Asiatic" belonging to Union S.S. Company whereof E Manning is Master, Tons Register, and 274 H.P. have been carefully inspected and examined by me at Southampton and I found the same, at this date, in good order and safe working condition.

Archd Thomson
Supt Engineer

