

14349 Iron

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 - compound engines - with two cylinders and surface condenser —

ENGINES, maker of Deane & Co.
age of new
last time taken out
present condition
Diameter of Cylinder 35" x 60"
Length of stroke 36"
No. per minute of Engines 80
of Screw 80
Estimated power 160
Effective power 930
Diameter of Screw (or Paddle Wheel) 12" 0"
Pitch of Screw 17" 3"
No. of Blades (or Floes) Four
Description of Screw (or Floes) Riseable pear shaped
Holding down Bolts, size 1 1/4"
present condition

Bilge Pumps, No. ( 2 ) and size 3 1/2" diam. - 18" stroke -
Feed ,, No. ( 2 ) and size 3" diam. - 18" stroke -
Spare gear, if usual quantity on board Vessel Yes
Fuel, where stowed At sides of engine & boiler rooms.
space between Coal Bunkers and Boilers 9"
for what quantity is space provided 105 tons -
Donkey Engine and Boiler
if fitted in Engine Room or on Deck Engine in engine room -
can pump be worked by hand No.
size of pump ( 4" ) 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 fore, or after end of Boiler, &c.

One tubular cylindrical boiler - double ended - with three furnaces in each end - Fired from forward & aft.

BOILER, maker of Deane & Co.
age of new
when last taken out
present condition
working pressure 65 lbs.
No. of surface Blow off Cocks to each Boiler one

Can each Boiler be used separately
What clear space between top of Boiler and woodwork 2' 6"
What clear space between Funnel and woodwork 2' 0"
Are Engine and Boiler Keelsons well connected fore and aft Yes

SCREW SHAFT length 21' 3" diameter 10 3/4" Tunnel thickness of plating 3/8" height 5' 6"
width 4' 0" if water-tight door on Engine Bulkhead. Yes

Port Guantánamo 16th day of April 1875

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Sampo" belonging to Mr. Parlant is Master, 720 Tons Register, and 160 H.P. have been carefully inspected and examined by us at Guantánamo and we found the same, at this date, in good order and safe working condition.

Deane & Co.
Guantánamo

