

12230 Jan

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.

Recd 23/1/74
b.j.

Report No 24070

ENGINES, maker of B & W Hawthorn
 „ age of 1866
 „ last time taken out 1868
 „ present condition Thoroughly overhauled
 Diameter of Cylinders 19 1/2" & 14 1/2"
 Length of stroke 36"
 No. per minute of Engines 58
 „ of Screw 58
 Estimated power 80
 Effective power 360
 Diameter of Screw (or Paddle Wheels) Not known
 Pitch of Screw Not known
 „ of Blades (or Floats) Three
 Description of Screw (or Floats) Common
 Holding down Bolts, size Common
 „ present condition Good

Bilge Pumps, No. (1) and size not known
 Feed „ No. (1) and size not known
 Spare gear, if usual quantity on board Vessel } Yes
 Fuel, where stowed at side of boiler & engine
 „ space between Coal Bunkers and Boilers } 14"
 „ for what quantity is space provided about 110 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 (—) and 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 } none

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.

On Tubular Boiler with three furnaces fired from after end no superheater

BOILER, maker of Fawcett Preston & Co
 „ age of Oct-1873
 „ when last taken out _____
 „ present condition _____
 „ working pressure 80 lbs
 No. of surface Blow off Cocks to each Boiler } one

Can each Boiler be used separately } Yes
 What clear space between top of Boiler and woodwork } 4' 0"
 What clear space between Funnel and woodwork } 3' 6"
 Are Engine and Boiler Keelsons well connected fore and aft } Yes

SCREW SHAFT length not known diameter 9 1/4 Tunnel, thickness of plating 1/4 height tube
 width _____ if water-tight door on Engine Bulkhead. water tight

Port Liverpool day of Nov 18 73

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel Cassini belonging to Row & Smyth & Co whereof _____ is Master, 684 Tons Register, and 80 H.P. have been carefully inspected and examined by me at Liverpool and I found the same, at this date, in good order and safe working condition.

W. W. 23/1/74

Geo. Stephens
 Lloyd's Register
 Marine Engineers.

IRON 456-0104

Made 23/1/74