

J. M. Strachan

1024650

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.

Two Direct Acting Inverted Cylinders

ENGINES, maker of Robt. Stephenson & Co.
age of Seven years
last time taken out May 1872
present condition Good
Diameter of Cylinder 35 inches
Length of stroke 2 ft. 6 in.
No. per minute of Engines 65
of Screw 65
Estimated power 90 horse
Effective power
Diameter of Screw (or Paddle Wheels) 11 ft.
Pitch of Screw 16 ft.
No. of Blades (or Floats) 3
Description of Screw (or Floats) Common right handed
Holding down Bolts, size 2 inch diameter
present condition Good

Bilge Pumps, No. (2) and size Each 4 1/4 dia. x 13 stroke
Feed No. (2) and size Each 4 1/4 dia. x 13 stroke
Spare gear, if usual quantity on board Vessel assumed
Fuel, where stowed on each side of boiler forward of stokehold
space between Coal Bunkers and Boilers Port side 12 inches; starboard side 2 1/2 ft. forward 8 ft.
for what quantity is space provided 90 tons
Donkey Engine and Boiler One
if fitted in Engine Room or on Deck In engine room
can pump be worked by hand Yes
size of pump ( ) and stroke 13 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

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 Circular tubular, with 3 Furnaces. No super heater; fired from fore end.

BOILER, maker of Victoria Graving Dock Co. Ltd.
age of 18 1/2
when last taken out
present condition Good
working pressure 30 lb to square inch
No. of surface Blow off Cocks to each Boiler 3
SCREW SHAFT length 14 ft diameter 8 inches
width if water-tight door on Engine Bulkhead.

Can each Boiler be used separately
What clear space between top of Boiler and woodwork 6 ft
What clear space between Funnel and woodwork 1 1/2 inch each side athwartships; 2 1/2 ft aft x 4 ft forward
Are Engine and Boiler Keelsons well connected fore and aft Yes
Engines at after part of ship

Port London 14th day of June 1872

WE hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel 'J. M. Strachan' belonging to London whereof Scott is Master, 76 1/2 Tons Register, and 90 H.P. have been carefully inspected and examined by us at Victoria Graving Docks and we found the same, at this date, in good order and safe working condition.

Sons Brothers
Victoria Graving Docks
Marine Engineers.

IRON451-0228