

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.

ENGINES, maker of David Rowan
 „ age of new
 „ last time taken out _____
 „ present condition good
 Diameter of Cylinder 25 & 43 inches
 Length of stroke 36 inches
 No. per minute of Engines 67 revs
 „ of Screw _____
 Estimated power 90 HP
 Effective power 360
 Diameter of Screw (or Paddle Wheels) 12 feet 8 inches
 Pitch of Screw 15 feet
 No. of Blades (or Floats) _____
 Description of Screw (or Floats) Cast Iron Propeller
 Holding down Bolts, size inch bolts
 „ present condition good

Bilge Pumps, No. (1) and size 3 1/2 diam 18 in Stroke
 Feed „ No. (1) and size do do
 Spare gear, if usual quantity on board Vessel } usual quantity
 Fuel, where stowed along side engine & Boiler
 „ space between Coal Bunkers and Boilers } 6 inches
 „ for what quantity is space provided 120 Tons
 Donkey Engine and Boiler yes
 „ if fitted in Engine Room or on Deck } Boiler on Deck engine in
 „ can pump be worked by hand no
 „ size of pump (3 3/4) and stroke 9 inch stroke
 „ 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 } 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 Cylindrical Boiler. Tubular 3 Furnaces - no superheating apparatus fired from forward aft

BOILER, maker of David Rowan
 „ age of new
 „ when last taken out _____
 „ present condition good
 „ 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 ft 9 inches
 What clear space between Funnel and woodwork } 2 feet 6 inches
 Are Engine and Boiler Keelsons well connected fore and aft } yes
 SCREW SHAFT length 76 feet diameter 8 inches Tunnel, thickness of plating 3/8 thick height 5 feet
 width 3 ft 7 in if water-tight door on Engine Bulkhead. yes

Port Glasgow 18th day of June 1872

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