

11829 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 Cylinders, Compound Surface Condensing Engines, with one High Pressure and one Low Pressure Cylinders

ENGINES, maker of *The Greenock Foundry Co.*
 „ age of *New*
 „ last time taken out *—*
 „ present condition *New*
 Diameter of Cylinder *23 in. High and 16 in. Low Pressure*
 Length of stroke *3 feet*
 No. per minute of Engines *40*
 „ of Screw *40*
 Estimated power *98*
 Effective power *450*
 Diameter of Screw (~~Paddle Wheels~~) *12 feet*
 Pitch of Screw *15*
 No. of Blades (~~Floater~~) *Four*
 Description of Screw (~~on Floater~~) *Ordinary*
 Holding down Bolts, size *1 1/4 in*
 „ present condition *New*

Bilge Pumps, No. (*one*) and size *3 1/2" diam. x 16" stroke*
 Feed „ No. (*one*) and size *3 1/2" „ x 16" do*
 Spare gear, if usual quantity on board Vessel *Yes*
 Fuel, where stowed *Side Bunkers in Engine Room*
 „ space between Coal Bunkers and Boilers *9 inches*
 „ for what quantity is space provided *40 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 (*3 1/2"*) and stroke *8 inches*
 „ is hose of sufficient length to reach every part of the Vessel *Yes*
 No. (*one*) and continuation of hand pumps, if fitted in Engine Room *New*

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.

Two Oval Tubular Boilers with two furnaces in each Boiler. No Superheating apparatus, Fired from fore end of Boiler.

BOILER, maker of *The Greenock Foundry Co.*
 „ age of *New*
 „ when last taken out *—*
 „ present condition *New*
 „ working pressure *65 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 *2 feet*
 What clear space between Funnel and woodwork *3 feet*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *44 feet* diameter *8 inches* Tunnel thickness of plating *3/8 in* height *6 feet*
 width *4 feet* if water-tight door on Engine Bulkhead. *Yes.*

Port *Greenock* 26th day of *August* 1843

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~) Screw (~~or Paddle~~) Steam Vessel "*William Patterson*" belonging to *London* whereof *is* Master, *540* Tons Register, and *98* H.P. have been carefully inspected and examined by *us* at *Greenock* and *we* found the same, at this date, in good order and safe working condition.

The Greenock Foundry Co.
for John Scott & Co.
 Marine Engineers.

Lloyd's Register
Foundation

IRON655-0116