

14573 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.

One pair direct acting inverted High & low pressure Engines with Surface Condensers

ENGINES, maker of *Greenock Foundry Company*
 „ age of *4 years*
 „ last time taken out
 „ present condition *perfect*
 Diameter of Cylinder *High pressure 14" low pressure 36"*
 Length of stroke *2 feet*
 No. per minute of Engines *70 to 80*
 „ of Screw *the same*
 Estimated power *70 HP*
 Effective power *200 HP*
 Diameter of Screw (~~or Paddle Wheel~~) *9' 3"*
 Pitch of Screw *14 feet*
 No. of Blades (~~or Floats~~) *4*
 Description of Screw (~~or Floats~~) *Cut Iron, loose blades*
 Holding down Bolts, size *1/2"*
 „ present condition *perfect*

Bilge Pumps, No. (*2*) and size *3 1/4" dia. x 12" Stroke*
 Feed „ No. () and size *3 1/4" x 12"*
 Spare gear, if usual quantity on } *yes*
 board Vessel
 Fuel, where stowed *Iron Bunkers*
 „ space between Coal Bunkers } *7 1/2 inches*
 and Boilers
 „ for what quantity is space provided *about 50 tons*
 Donkey Engine and Boiler *yes*
 „ if fitted in Engine Room or } *in Engine room*
 on Deck
 „ can pump be worked by hand *no hand pump*
 „ size of pump (*4"*) and stroke *8"*
 „ is hose of sufficient length to } *yes*
 reach every part of the Vessel
 No. (*1*) and continuation of hand } *yes, connected to*
 pumps, if fitted in Engine Room } *Bilge and sea and both*
 } *2 Bunkers*

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.

One oval tubular boiler two furnaces fired from after end
 One cylindrical donkey boiler with one furnace fired athwartships

BOILER, maker of *MacMurrain & Lewis*
 „ age of *New*
 „ when last taken out
 „ present condition *perfect*
 „ working pressure *70 lbs per sq. inch*
 No. of surface Blow off Cocks to } *two*
 each Boiler

Can each Boiler be used separately *yes*
 What clear space between top of } *3 feet*
 Boiler and woodwork
 What clear space between Funnel } *12 inches*
 and woodwork
 Are Engine and Boiler Keelsons } *yes*
 well connected fore and aft

SCREW SHAFT length *66 feet* diameter *6"* Tunnel, thickness of plating *3/8"* height
 width if water-tight door on Engine Bulkhead. *yes*

Port *Belfast* *26th* day of *May* 1875

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (~~or Paddle~~) Steam Vessel *Camel* belonging to *Belfast* whereof *Frank Serrett* is Master, *208⁹⁶/₁₀₀* Tons Register, and *70* H.P. have been carefully inspected and examined by *us* at *Belfast* and *we* found the same, at this date, in good order and safe working condition.

Richard Wolff
 Lloyd's Register
 Marine Engineers.
 Foundation