

12020 Iron

## REGISTER OF BRITISH AND FOREIGN SHIPPING.

## ENGINEER'S CERTIFICATE.

This is a true Account of the Particulars of the Machinery and Boilers:—

Here state description of Engines, whether Direct Acting or Geared, Inverted, Horizontal, Diagonal, or Oscillating Cylinders; No. of Cylinders, &amp;c.

Direct-acting, inverted, double-compound,  
condensing Engine, with two cylinders.Gilbert Hooper  
new

When taken out  
 Present condition  
 Diameter of Cylinders 27 inches x 53 inches  
 Length of stroke 36 inches  
 No. per minute of Engines 65  
 „ of Strew 65  
 Estimated power 98 nominal HP  
 Effective power 500 indicated HP  
 Diameter of Screw (or Paddle Wheels) 13 feet  
 Pitch of Screw 16 feet  
 No. of Blades (or Floats) 4  
 Description of Screw (or Floats) Cast iron box & steel blades  
 Lifting down Bolts, size 2 1/2 inches  
 present condition new

Bilge Pumps, No. ( 1 ) and size 7" x 18" stroke  
 Feed „ No. ( 2 ) and size 7" x 18" stroke  
 Spare gear, if usual quantity on board Vessel Yes  
 Fuel, where stowed Alongside Engine, under Pops  
 „ space between Coal Bunkers 1" 6"  
 „ for what quantity is space provided 140 tons  
 Donkey Engine and Boiler Yes  
 „ if fitted in Engine Room or on Deck Boiler on deck, Engine below  
 „ can pump be worked by hand Yes  
 „ size of pump ( 3 1/2 ) and stroke 7 inches  
 „ is hose of sufficient length to reach every part of the Vessel Yes  
 No. ( 4 ) and continuation of hand pumps, if fitted in Engine Room Yes 1

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, &amp;c.

One high pressure tubular Boiler, with two furnaces  
at each end; fitted with Feed heaters; fired athwartships.

BOILER, maker of Gilbert Hooper  
 „ age of new  
 „ when last taken out  
 „ present condition  
 „ working pressure 70 lbs.  
 No. of surface Blow off Cocks to 1  
 each Boiler

Can each Boiler be used separately  
 What clear space between top of Boiler and woodwork 3' 0"  
 What clear space between Funnel and woodwork 1' 0"  
 Are Engine and Boiler Keelsons well connected fore and aft Yes

SCREW SHAFT length 72' 3" diameter 9 1/2 Tunnel, thickness of plating 5/16 height 7' 5"  
 width 3' 6" if water-tight door on Engine Bulkhead. Yes.

Port Hull 27<sup>th</sup> day of October 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)  
 (or Paddle) Steam Vessel "Lorne" belonging to Hull  
 of James Martin is Master, 763 <sup>20</sup>/<sub>100</sub> Tons Register, and 98 H.P. have been  
 fully inspected and examined by us at Hull and we found the  
 at this date, in good order and safe working condition.

Gilbert Hooper

Captain Iron Works Hull

Marine Engineers.

H20N455-0340



See ~~his~~ with  
ypt on Argyle (sister ship)  
Don't forget 11851 attached hereto.



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