

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, &c.

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

Gilbert Hooper  
new

When taken out  
Present condition  
Diameter of Cylinders 27 inches & 53 inches  
Length of stroke 36 inches  
No. per minute of Engines 65  
No. 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  
Binding 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 Poop  
,, 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 } Boilers 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, &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 Boiler 1

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 20/100 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.

See ~~his~~ with  
ypt on Argyle (sister ship)

~~Don't ypt 11851 - attached hereto.~~



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