

15308 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  
Two Cylinders

ENGINES, maker of *R. W. Hawthorn*  
,, age of *1864*  
,, last time taken out  
,, present condition *Good*  
Diameter of Cylinders *36"*  
Length of stroke *28"*  
No. per minute of Engines *60*  
,, of Screw *60*  
Estimated power *80*  
Effective power  
Diameter of Screw (or Paddle Wheels) *11 1/2 feet*  
Pitch of Screw *16 1/2 feet to 18 1/2 "*  
No. of Blades (or Floats) *4*  
Description of Screw (or Floats)  
Holding down Bolts, size *3/4*  
,, present condition *Good*

Bilge Pumps, No. ( *4* ) and size *3 1/2*  
Feed ,, No. ( *3* ) and size *3 1/2*  
Spare gear, if usual quantity on } *Yes*  
board Vessel  
Fuel, where stowed *Bunkers*  
,, space between Coal Bunkers } *20" x 6"*  
and Boilers  
,, for what quantity is space provided *100 Tons*  
Donkey Engine and Boiler *2 Engines 1 Boiler*  
,, if fitted in Engine Room or } *Engine Room Boilers on*  
on Deck *Deck*  
,, can pump be worked by hand *Yes*  
,, size of pump ( *4 1/2* ) and stroke *9"*  
,, is hose of sufficient length to } *Yes*  
reach every part of the Vessel  
No. ( ) and continuation of hand } *2 on Deck*  
pumps, if fitted in Engine Room } *no hand pump 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 force, or after end of Boiler, &c.

One Tubular Boiler  
4 Furnaces — no superheater  
Fire forward

BOILER, maker of *Hawthorn & Co. Leith*  
,, age of *built 1875*  
,, when last taken out  
,, present condition *Good*  
,, working pressure *20 lbs*  
No. of surface Blow off Cocks to } *one*  
each Boiler

Can each Boiler be used separately *✓*  
What clear space between top of } *2 feet 1 1/2"*  
Boiler and woodwork  
What clear space between Funnel } *No wood*  
and woodwork  
Are Engine and Boiler Keelsons } *Yes*  
well connected fore and aft

SCREW SHAFT length *24 feet* diameter *7 1/4"* Tunnel thickness of plating *height*  
with *if water-tight door on Engine Bulkhead.*

Port of *Leith* *9<sup>th</sup>* day of *October* 18 *75*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron ( & Wood )  
Screw ( or Paddle ) Steam Vessel *"Beside"* belonging to *Lamy, Jaque & Co*  
whereof *A. Duncan* is Master, *425* Tons Register, and *80* H.P. have been  
carefully inspected and examined by *me* at *Leith* and I found the  
same, at this date, in good order and safe working condition.

*Thomas Dayleish*

Marine Engineers



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