

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

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

SCREW SHAFT length *24 feet* diameter *7 1/4"* Tunnel thickness of plating *1/2"*
 with if water-tight door on Engine Bulkhead.

Port *of Leith* *9th* day of *October* 18 *75*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Beside"* belonging to *Lamy, Jaque & Co* whereof *R. 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 Day Leith

Marine Engineers



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Foundation