

12974 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.

*Engines are vertical, direct acting = Geared with Hachworth patent slide valve gear = two cylinders.*

ENGINES, maker of *Richardson H. pool.*  
 „ age of *1869*  
 „ last time taken out  
 „ present condition *good*  
 Diameter of Cylinder *38 inches*  
 Length of stroke *9 ft 6"*  
 No. per minute of Engines *60*  
 „ of Screw *60*  
 Estimated power *96*  
 Effective power *38 H.*  
 Diameter of Screw (or Paddle Wheels) *13 feet*  
 Pitch of Screw *x*  
 No. of Blades (or Floats) *4*  
 Description of Screw (or Floats) *Common*  
 Holding down Bolts, size  
 „ present condition *good*

Bilge Pumps, No. ( *1* ) and size *D = 4 1/4 Stroke = 30"*  
 Feed „ No. ( *1* ) and size *J J*  
 Spare gear, if usual quantity on board Vessel *yes*  
 Fuel, where stowed *Side & deck bunkers*  
 „ space between Coal Bunkers and Boilers *6" & 9 ft*  
 „ for what quantity is space provided *150 Tons*  
 Donkey Engine and Boiler *one*  
 „ if fitted in Engine Room or on Deck *on Deck*  
 „ can pump be worked by hand *yes*  
 „ size of pump ( ) and stroke *12*  
 „ is hose of sufficient length to reach every part of the Vessel *yes*  
 No. ( *1* ) and continuation of hand pumps, if fitted in Engine Room *yes*

**BOILER.**—Here state description of Boiler, and NO.; if tubular, or of other form, and whether fitted with a superheater, athwartships, or from fore or after end of Boiler, &c.

*One boiler, tubular with 4 Furnaces, fitted with a superheater, fired from the fore end of the boiler — Flat top and a dry bottom.*

BOILER, maker of *Richardson H. pool.*  
 „ age of *1869*  
 „ when last taken out  
 „ present condition *good*  
 „ working pressure *20 lbs per sq. Inch.*  
 No. of surface Blow off Cocks to each Boiler *one*

Can each Boiler be used separately  
 What clear space between top of Boiler and woodwork *1 foot*  
 What clear space between Funnel and woodwork *4*  
 Are Engine and Boiler Keelsons well connected fore and aft *yes*

SCREW SHAFT length *crank shaft = 8 3/4*  
 width *3 ft 8"* diameter shafting *7 5/8* Tunnel thickness of plating *3/8* height *4 ft 6"*  
 if water-tight door on Engine Bulkhead *yes*

Port *of Havre* day of *11th July* 18*74*

*J.* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *William Banks* belonging to *M. Banks* whereof *Thiggett* is Master, *691* Tons Register, and *96* H.P. have been carefully inspected and examined by *I* at *460 Havre* and *I* found the same, at this date, in good order and safe working condition.

*E. Capelle*



Marine Engineers.

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