

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.

No. 400. Ordinary Inverted direct-acting Compound Screw Engine. Two Cylinders and surface Condenser

ENGINES, maker of *Messrs John Jones & Son.*
 „ age of *New*
 „ last time taken out
 „ present condition *Good*
 Diameter of Cylinder *HP 23" LP 46"*
 Length of stroke *24 inches*
 No. per minute of Engines *66*
 „ of Screw *66*
 Estimated power *100 HP*
 Effective power *360*
 Diameter of Screw (or Paddle Wheels) *12" 6" dia.*
 Pitch of Screw *16" 0"*
 No. of Blades (or Floats) *3 Blades*
 Description of Screw (or Floats) *Right Handed*
 Holding down Bolts, size *2" dia.*
 „ present condition *New*

Bilge Pumps, No. (*2*) and size *4" dia Stroke 12"*
 Feed „ No. (*1*) and size *3 1/2" dia Stroke 12"*
 Spare gear, if usual quantity on board Vessel } *Usual quantity.*
 Fuel, where stowed *In Side Bunkers*
 „ space between Coal Bunkers and Boilers } *7" Inches*
 „ for what quantity is space provided *132 Tons*
 Donkey Engine and Boiler *Boiler on deck*
 „ if fitted in Engine Room or on Deck } *Donkey in Engine Room*
Ballast Pumping
 „ can pump be worked by hand } *Can be worked by hand*
 „ size of pump (*3 1/2"*) and stroke *6" Inches*
 „ is hose of sufficient length to reach every part of the Vessel } *Of Sufficient Length*
 No. (*1*) and continuation of hand pumps, if fitted in Engine Room } *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 Horizontal Tubular boiler, fired from both ends. Two Furnaces at each end, Steam dome in Smoke Case
Find fore & aft

BOILER, maker of *Messrs John Jones & Son.*
 „ age of *New*
 „ when last taken out
 „ present condition *Good*
 „ working pressure *80 lbs.*
 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 } *All iron work above boiler.*
 What clear space between Funnel and woodwork } *All iron work about funnel*
 Are Engine and Boiler Keelsons well connected fore and aft } *Well connected.*

SCREW SHAFT length *20 feet* diameter *8 inches* Tunnel thickness of plating *Engine right aft*
~~if water tight door on Engine Bulkhead.~~

Port *of Liverpool* 14 day of *August* 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *No 8* belonging to */* whereof */* is Master, */* Tons Register, and *100* H.P. have been carefully inspected and examined by *us* at *Liverpool* and *we* found the same, at this date, in good order and safe working condition.

John Jones & Son.
 Marine Engineers.

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