

12055 *fm*

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 fore, or after end of Boiler, &c.

One Horizontal Tubular boiler, fired from both ends. Two Furnaces at each end, Steam dome in Smoke Case. Fired 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* Tannet thickness of plating *Engine right aft* height
~~if water tight door on Engine Bulkhead.~~

Port *of Liverpool* *14* day of *August* 18 *73*

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.
Lloyd's Register
Foundation
IRON 455-0364