

# 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 Inverted High & Low Pressure Engines with one High & one Low Pressure Cylinder*

ENGINES, maker of *Jas Jas & Co*  
 „ age of *new*  
 „ last time taken out *—*  
 „ present condition *new*  
 Diameter of Cylinder *H.P. 26 in L.P. 45 in*  
 Length of stroke *2 in 2 1/2 inches*  
 No. per minute of Engines *70*  
 „ of Screw *do*  
 Estimated power *900 H.P.*  
 Effective power *450*  
 Diameter of Screw (or Paddle Wheels) *10' 10"*  
 Pitch of Screw *14 ft*  
 No. of Blades (or Floats) *from*  
 Description of Screw (or Floats) *Cast Iron*  
 Holding down Bolts, size *1 1/2"*  
 „ present condition *new*

Bilge Pumps, No. (*two*) and size *3 1/2" diam*  
 Feed „ No. (*do*) and size *3 1/2" do*  
 Spare gear, if usual quantity on board Vessel *yes*  
 Fuel, where stowed *Bunkers*  
 „ space between Coal Bunkers and Boilers *8 inches*  
 „ for what quantity is space provided *80 tons*  
 Donkey Engine and Boiler *yes*  
 „ if fitted in Engine Room or on Deck *on deck*  
 „ can pump be worked by hand *yes*  
 „ size of pump (*5 1/2"*) and stroke *8"*  
 „ is hose of sufficient length to reach every part of the Vessel *yes*  
 No. (*one*) and continuation of hand pumps, if fitted in Engine Room *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 Circular Tubular Boiler Suitable for Compound Engines with three furnaces, Superheated. Fired fore & aft*

BOILER, maker of *Jas Jas & Co*  
 „ age of *new*  
 „ when last taken out *—*  
 „ present condition *new*  
 „ working pressure *60 lbs*  
 No. of surface Blow off Cocks to each Boiler *one*  
 SCREW SHAFT length *24' 6"* diameter *7"*  
 width *—* if water-tight door on Engine Bulkhead *no Bulkhead*

Can each Boiler be used separately *one Boiler*  
 What clear space between top of Boiler and woodwork *1' 9"*  
 What clear space between Funnel and woodwork *1' 9"*  
 Are Engine and Boiler Keelsons well connected fore and aft *yes*  
*no funnel*

Port *Liverpool* 12<sup>th</sup> day of *October* 18<sup>71</sup>

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Deftorichy* belonging to *John Bain Esq* whereof *Charles Evans* is Master, *501 7/16* Tons Register and *90* 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.

*James Jas & Co*  
*Victoria Engineers*  
 Marine Engineers.