

**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 Cylinder  
 No. of Cylinders, &c.

*Inverted direct acting Compound, with two Cyl.*

ENGINES, maker of *J. Brassey & Co*  
 „ age of *New*  
 „ last time taken out  
 „ present condition *New*  
 Diameter of Cylinder *50" x 27"*  
 Length of stroke *2' 9"*  
 No. per minute of Engines *60 to 65*  
 „ of Screw  
 Estimated power *99*  
 Effective power *450*  
 Diameter of Screw (or Paddle Wheels) *14.6"*  
 Pitch of Screw *18.0 to 15.0" variable*  
 No. of Blades (or Floats) *4*  
 Description of Screw (or Floats) *Crippitts*  
 Molding down Bolts, size *1 3/8*  
 „ present condition *New*

Bilge Pumps, No. ( *2* ) and size *3"*  
 Feed „ No. ( *2* ) and size *3"* } *stroke 16"*  
 Spare gear, if usual quantity on } *Yes.*  
 board Vessel  
 Fuel, where stowed *Bunkers*  
 „ space between Coal Bunkers } *9"*  
 and Boilers  
 „ for what quantity is space provided *all 150 tons*  
 Donkey Engine and Boiler *Yes.*  
 „ if fitted in Engine Room or } *Boiler on main deck*  
 on Deck } *Engines in engine room*  
 „ can pump be worked by hand  
 „ size of pump ( *6"* ) and stroke *10"*  
 „ is hose of sufficient length to } *Yes.*  
 reach every part of the Vessel  
 No. ( *1* ) and continuation of hand } *Yes.*  
 pumps, if fitted 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.

*2 Circular Boilers (tubular) with two furnaces each  
 Each boiler fitted with a circular steam chest  
 Boilers fixed fore and aft from fore end of Boilers*

BOILER, maker of *J. Brassey & Co*  
 „ age of *New*  
 „ when last taken out  
 „ present condition *New*  
 „ working pressure *65 lbs*  
 No. of surface Blow off Cocks to } *one*  
 each Boiler

Can each Boiler be used separately *Yes.*  
 What clear space between top of } *2' 0"*  
 Boiler and woodwork }  
 What clear space between Funnel } *3' 0"*  
 and woodwork }  
 Are Engine and Boiler Keelsons } *Yes.*  
 well connected fore and aft }

SCREW SHAFT length *69 ft total* diameter *8 1/4"* Tunnel, thickness of plating *5/16* height *5.3*  
 width *2.1* if water-tight door on Engine Bulkhead. *Yes.*

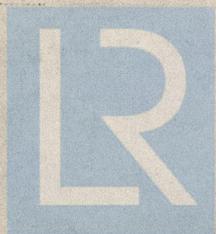
Port *Birkenhead*

*No* hereby certify, that the whole of the above Machinery  
 Screw (or Paddle) Steam Vessel *J. J. Barry*  
 whereof *Douglas* is Master *545.08 T*  
 carefully inspected and examined by *us* at *Middle*  
 same, at this date, in good order and safe working condition.



10929 From

© 2019



Lloyd's Register  
Foundation