

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 cylinders two in number steam jacketed fitted with surface condenser, air, circulating feed & sludge pumps being wrought off piston rod crosshead of after engine.

ENGINES, maker of *James Donaldson*
 „ age of *New*
 „ last time taken out _____
 „ present condition _____
 Diameter of Cylinder *15 inches*
 Length of stroke *20 inches*
 No. per minute of Engines *110*
 „ of Screw _____
 Estimated power *24 horse*
 Effective power *120* „
 Diameter of Screw (or Paddle Wheels) *7 feet*
 Pitch of Screw *11 feet*
 No. of Blades (or Floats) *four*
 Description of Screw (or Floats) *left handed*
 Holding down Bolts, size *1/8 inch*
 „ present condition *new*

Bilge Pumps, No. (*one*) and size *2 3/4 x 10*
 Feed „ No. (*one*) and size *2 3/4 x 10*
 Spare gear, if usual quantity on board Vessel _____
 Fuel, where stowed *Fore & aft bunkers*
 „ space between Coal Bunkers and Boilers *6 inches*
 „ for what quantity is space provided *15 tons*
 Donkey Engine and Boiler *Engine but no boiler*
 „ if fitted in Engine Room or on Deck *in Engine room*
 „ can pump be worked by hand *separate hand pump*
 „ size of pump (*4*) and stroke *4*“
 „ 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 *same connections as Donkey pump.*

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 round horizontal tubular boiler with 2 furnaces fired from aft with an upright barrel superheater having an internal flue, both boiler & superheater are cemented & funnel hinged for folding down when under sail

BOILER, maker of *H. Wallace & Co. Glasgow*
 „ age of *new*
 „ when last taken out _____
 „ present condition _____
 „ working pressure *60 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 *about 5 inches*
 What clear space between Funnel and woodwork *6" all round*
 Are Engine and Boiler Keelsons well connected fore and aft _____

SCREW SHAFT length *33 feet* diameter *4 1/2 ins* Tunnel thickness of plating _____ height _____
 width _____ if water-tight door on Engine Bulkhead.

Port of *Greenock* *28th* day of *November* 18 *74*

We hereby certify, that the whole of the above Machinery and Boilers of the ~~Iron~~ (or Wood) Screw (or Paddle) Steam Vessel *“Edeline”* belonging to *Earl de la War* whereof _____ is Master, _____ Tons Register, and *24* H.P. have been carefully inspected and examined by *us* at *Groon* and *we* found the same, at this date, in good order and safe working condition.

James Donaldson & Co
 Marine Engineers.



Lloyd's Register
 Foundation

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