

# 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 & bilge pumps being wrought off piston rod crosshead of after engine.

ENGINES, maker of *James and 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 and 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* *28<sup>th</sup>* 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 and Donaldson*  
Marine Engineers.



Lloyd's Register  
Foundation

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