

# LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

## ENGINEER'S CERTIFICATE. 11259

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 Horizontal Compound Engines*

ENGINES, maker of *Davies Rowan*  
 age of *new*  
 last time taken out  
 present condition  
 Number of Cylinder *HP 25" + LP 44"*  
 Diameter of stroke *21 inches*  
 Revolutions per minute of Engines *90 revols*  
 Diameter of Screw  
 Indicated power *90 horse power nominal*  
 Indicated power *300*  
 Diameter of Screw (or Raddle Wheels) *9 ft 9 in*  
 Diameter of Screw *12 feet*  
 Blades (or Floats) *4*  
 Diameter of Screw (or Floats)  
 Diameter of Bolts, size  
 Present condition *new*

Bilge Pumps, No. ( *2* ) and size *2 1/2"*  
 Feed „ No. ( *2* ) and size *2 3/8"*  
 Spare gear, if usual quantity on board Vessel  
 Fuel, where stowed *Each Side of Boilers forward*  
 „ space between Coal Bunkers and Boilers *6 inches*  
 „ for what quantity is space provided *130 tons*  
 Donkey Engine and Boiler *Donkey Engine + Boiler*  
 „ if fitted in Engine Room or on Deck *Engine room*  
 „ can pump be worked by hand *no*  
 „ size of pump ( ) and stroke  
 „ is hose of sufficient length to reach every part of the Vessel *yes*  
 No. ( ) and continuation of hand 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 force, or after end of Boiler, &c.

*Round Tubular Boiler, 3 furnaces fired aft, fitted with Steam Dome*

Maker of *Davies Rowan*  
 age of *new*  
 last taken out  
 present condition  
 Working pressure *60 lbs*  
 Blow off Cocks to *Surface blow off*  
 length *21 ft 1 in* diameter *4 1/2*  
 if water-tight door on Engine Bulkhead. *3 ft 7 in*

Can each Boiler be used separately  
 What clear space between top of Boiler and woodwork *16 inches*  
 What clear space between Funnel and woodwork *about 12 inches*  
 Are Engine and Boiler Keelsons well connected fore and aft *yes*  
 Tunnel, thickness of plating height *5 feet*  
 door hot water tight.

Port *Glasgow* 31<sup>st</sup> day of *March* 18 *73*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) ( ) Steam Vessel *Sir John Lawrence* belonging to *JA Shepherd Esq* is Master, *Balding* Tons Register and *H.P.* have been inspected and examined by me at *Glasgow* and I found the date, in good order and safe working condition.

*Davies Rowan*  
*Glasgow*  
 Marine Engineers.