

# 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.

*One pair of Compound, Surface Condensing, Direct acting Engines.*

*11216 Iron*

ENGINES, maker of	<i>Hall Russell &amp; Co</i>	Bilge Pumps, No. ( <i>2</i> ) and size	<i>5"</i>
Age of	<i>New</i>	Feed ,, No. ( <i>2</i> ) and size	<i>4 1/4"</i>
Last time taken out	_____	Spare gear, if usual quantity on board Vessel	<i>Usual quantity</i>
Present condition	<i>Good</i>	Fuel, where stowed	<i>In bunkers</i>
Diameter of Cylinder	<i>39" and 40"</i>	space between Coal Bunkers and Boilers	<i>Ample</i>
Length of stroke	<i>3 feet</i>	for what quantity is space provided	<i>200 tons</i>
R.P.M. per minute of Engines	<i>65</i>	Donkey Engine and Boiler	<i>Yes</i>
of Screw	<i>65</i>	if fitted in Engine Room or on Deck	<i>Engine Room</i>
Estimated power	<i>200 H.P.</i>	can pump be worked by hand	<i>Yes</i>
Effective power	<i>1000</i>	size of pump ( <i>6"</i> ) and stroke	<i>10"</i>
Diameter of Screw (or Paddle Wheels)	<i>14" 5"</i>	is hose of sufficient length to reach every part of the Vessel	<i>Yes</i>
Length of Screw	<i>22 feet</i>	No. ( ) and continuation of hand pumps, if fitted in Engine Room	<i>one</i>
No. of Blades (or Floats)	<i>4</i>		
Description of Screw (or Floats)	<i>Common</i>		
Binding down Bolts, size	<i>Ample</i>		
present condition	<i>Good</i>		

**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 Cylindrical Tubular boilers fired at fore and after ends 4 furnaces in each boiler*

BOILER, maker of	<i>Hall Russell &amp; Co</i>	Can each Boiler be used separately	<i>Yes</i>
Age of	<i>New</i>	What clear space between top of Boiler and woodwork	<i>No wood work over boilers</i>
When last taken out	_____	What clear space between Funnel and woodwork	<i>Ample</i>
Present condition	<i>Good</i>	Are Engine and Boiler Keelsons well connected fore and aft	<i>Yes</i>
Working pressure	<i>60 lbs</i>		
No. of surface Blow off Cocks to each Boiler	<i>one</i>		
Fore and Aft length	<i>about 40 feet</i>	Tunnel, thickness of plating	<i>3/16" x 1/4" height 4 x 6</i>
width	<i>3" x 3"</i>	if water-tight door on Engine Bulkhead	<i>Yes</i>

Port *Aberdeen* <sup>*4*</sup> day of *April* 18 *73*

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) ~~or (for Paddle)~~ Steam Vessel *Douglas* belonging to *Aberdeen* whereof *\_\_\_\_\_* is Master, *864* Tons Register, and *200* H.P. have been carefully inspected and examined by *W* at *Aberdeen* and *we* found the same, at this date, in good order and safe working condition.

*Hall Russell & Co*  
Lloyd's Register  
Marine Engineers.