

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

*Age 11/3/75
4.18/3/75*

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 Cylinder, Compound Engines, with two cylinders

ENGINES, maker of	<i>John Elder & Co</i>	Bilge Pumps, No. (<i>1</i>) and size	<i>3" dia X 13 1/2" stroke</i>
„ age of	<i>New</i>	Feed „ No. (<i>1</i>) and size	<i>3" dia X 13 1/2" do</i>
„ last time taken out	<i>—</i>	Spare gear, if usual quantity on board Vessel	<i>Yes</i>
„ present condition	<i>New</i>	Fuel, where stowed	<i>Alongside of Boiler</i>
Diameter of Cylinder	<i>H.P. 23 in L.P. 40 in</i>	„ space between Coal Bunkers and Boilers	<i>Minimum 12 in</i>
Length of stroke	<i>2 feet</i>	„ for what quantity is space provided	<i>50 tons</i>
No. per minute of Engines	<i>90 Revolutions</i>	Donkey Engine and Boiler	<i>Yes</i>
„ of Screw	<i>90 do</i>	„ if fitted in Engine Room or on Deck	<i>Boiler in Stow-hatch Engines in Engine Room</i>
Estimated power	<i>75 Nom: H.P.</i>	„ can pump be worked by hand	<i>Fitted with Hand Pump additional</i>
Effective power	<i>370 Indicated H.P.</i>	„ size of pump 3 1/2 and stroke	<i>6 in double acting</i>
Diameter of Screw (or Paddle Wheels)	<i>9 ft. 3 in</i>	„ is hose of sufficient length to reach every part of the Vessel	<i>—</i>
Pitch of Screw	<i>12 ft. 6 in</i>	No. () and continuation of hand pumps, if fitted in Engine Room	<i>—</i>
No. of Blades (or Floats)	<i>Four</i>		
Description of Screw (or Floats)	<i>Common</i>		
Holding down Bolts, size	<i>7/8" dia</i>		
„ present condition	<i>New</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.

One Cylindrical Tubular Boiler, with two furnaces, fired at fore end, fore & aft

BOILER, maker of	<i>John Elder & Co</i>	Can each Boiler be used separately	<i>—</i>
„ age of	<i>New</i>	What clear space between top of Boiler and woodwork	<i>2 ft. 9 in</i>
„ when last taken out	<i>—</i>	What clear space between Funnel and woodwork	<i>2 ft.</i>
„ present condition	<i>New</i>	Are Engine and Boiler Keelsons well connected fore and aft	<i>Yes</i>
„ working pressure	<i>70 lbs.</i>		
No. of surface Blow off Cocks to each Boiler	<i>one</i>		
SCREW SHAFT length	<i>59 ft.</i>	diameter	<i>6 1/4 in</i>
width	<i>2' 9"</i>	Tunnel thickness of plating	<i>1/4"</i>
		height	<i>5 ft. 6 in</i>
		if water-tight door on Engine Bulkhead.	<i>Yes</i>

Port *Glasgow* 9th day of *March* 18 *75*

We hereby certify, that the whole of the above Machinery and Boilers of the ~~Iron~~ *Composite* (or Wood) Screw (or Paddle) Steam Vessel "*Egeron*" belonging to *Amsterdam* whereof *Capt. Usher* is Master, *305.17* Tons Register, and *75* H.P. have been carefully inspected and examined by *us* at *Glasgow* and *we* found the same, at this date, in good order and safe working condition.

John Elder & Co
Marine Engineers.



Lloyd's Register
Foundation