

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.

Compound direct acting inverted with two Cylinders.

ENGINES, maker of	<i>Blackwood & Gordon</i>	Bilge Pumps, No. (<i>one</i>) and size	<i>3/4</i>
„ age of	<i>New</i>	Feed „ No. (<i>one</i>) and size	<i>3/4</i>
„ last time taken out		Spare gear, if usual quantity on board Vessel	<i>Yes</i>
„ present condition	<i>Good</i>	Fuel, where stowed	<i>Alongside of Boilers</i>
Diameter of Cylinder s	<i>14" HP x 25" D</i>	„ space between Coal Bunkers and Boilers	<i>6 inches</i>
Length of stroke	<i>16 inches</i>	„ for what quantity is space provided	<i>18 Tons</i>
No. per minute of Engines	<i>85</i>	Donkey Engine and Boiler	<i>Yes</i>
„ of Screw	<i>85</i>	„ if fitted in Engine Room or on Deck	<i>Engine Room</i>
Estimated power	<i>38</i>	„ can pump be worked by hand	<i>No</i>
Effective power	<i>135</i>	„ size of pump (<i>3/4</i>) and stroke	<i>4 1/2</i>
Diameter of Screw (or Paddle Wheels)	<i>8' 0"</i>	„ is hose of sufficient length to reach every part of the Vessel	<i>Yes</i>
Pitch of Screw	<i>11' 6"</i>	No. (<i>one</i>) and continuation of hand pumps, if fitted in Engine Room	<i>Yes</i>
No. of Blades (or Floats)	<i>Three</i>		
Description of Screw (or Floats)	<i>Common</i>		
Holding down Bolts, size	<i>1 1/2"</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.

One round tubular horizontal boiler with two furnaces fired from the after end. No superheating apparatus.

BOILER, maker of	<i>Blackwood & Gordon</i>	Can each Boiler be used separately	<i>One boiler</i>
„ age of	<i>New</i>	What clear space between top of Boiler and woodwork	<i>20 inches</i>
„ when last taken out		What clear space between Funnel and woodwork	<i>12 inches</i>
„ present condition	<i>Good</i>	Are Engine and Boiler Keelsons well connected fore and aft	<i>Yes</i>
„ working pressure	<i>80 lbs</i>		
No. of surface Blow off Cocks to each Boiler	<i>One surface & one bottom</i>		
CREW SHAFT length	<i>47' 0"</i>	thickness of plating	<i>10' diam.</i>
diameter	<i>4"</i>	if water-tight door on Engine Bulkhead	<i>None.</i>
width	<i>10' diam.</i>		

Port of *Port Glasgow* 13th day of *April* 18 *75*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) crew (or Paddle) Steam Vessel *Fernandez-Sanz* belonging to *Wm. Arncliffe & Co.* of *London* and hereof "*Pedro Urzaberrita*" is Master, *109* Tons Register, and *30* H.P. have been carefully inspected and examined by us at *Port Glasgow* and we found the same, at this date, in good order and safe working condition.

Blackwood & Gordon
Port Glasgow
Marine Engineers.