

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

14334 92013

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 Cylinder Engines*

ENGINES, maker of	<i>Caird &amp; Co.</i>	Bilge Pumps, No. ( <i>2</i> ) and size	<i>3" diameter</i>
„ age of	<i>new</i>	Feed „ No. ( <i>2</i> ) and size	<i>3</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>Side of boilers</i>
Diameter of Cylinder	<i>20 inches &amp; 36 inches</i>	„ space between Coal Bunkers and Boilers	<i>18"</i>
Length of stroke	<i>30 inches</i>	„ for what quantity is space provided	<i>544 Tons</i>
No. per minute of Engines	<i>85 Revol.</i>	Donkey Engine and Boiler	<i>yes</i>
„ of Screw	<i>85</i>	„ if fitted in Engine Room or on Deck	<i>in Engine Room</i>
Estimated power (60)	<i>60 Horses</i>	„ can pump be worked by hand	<i>no</i>
Effective power	<i>400</i>	„ size of pump ( ) and stroke	—
Diameter of Screw (or Paddle Wheels)	<i>7' 6"</i>	„ is hose of sufficient length to reach every part of the Vessel	<i>yes</i>
Pitch of Screw	<i>14' 0"</i>	No. ( ) and continuation of hand pumps, if fitted in Engine Room	<i>runs</i>
No. of Blades (or Floats)	<i>four</i>		
Description of Screw (or Floats)	<i>ordinary</i>		
Holding down Bolts, size	<i>1 1/4"</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.

*Oral, multitubular, with two furnaces, fired from after end  
no superheater*

BOILER, maker of	<i>Caird &amp; Co.</i>	Can each Boiler be used separately	—
„ age of	<i>new</i>	What clear space between top of Boiler and woodwork	<i>2 feet to woodwork</i>
„ when last taken out	—	What clear space between Funnel and woodwork	<i>4 feet</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>two</i>		

CREW SHAFT length *15 feet* diameter *6 1/4 ins* — Tunnel, thickness of plating *1/4"* height *4 feet*  
width *3 ft 2 ins* if water-tight door on Engine Bulkhead.

Port *Grunock* 25 day of *February* 1870

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Syah Bekhet"* belonging to *the British Steam Ship Co. Limited* of *Bombay* is Master, *216* Tons Register, and *60* H.P. have been fully inspected and examined by *us* at *Grunock* and *we* found the same, at this date, in good order and safe working condition.

*Caird & Co.*  
Lloyd's Register  
Marine Engineers.