

13928 Iron

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 Cylinder Engines.

<p>ENGINES, maker of <i>Caird & Co</i></p> <p>„ age of <i>new</i></p> <p>„ last time taken out</p> <p>„ present condition <i>good</i></p> <p>Diameter of Cylinder <i>20 inches & 36 inches</i></p> <p>Length of stroke <i>30 inches</i></p> <p>No. per minute of Engines <i>85 Rev.</i></p> <p>„ of Screw <i>80</i></p> <p>Estimated power <i>80 H.P.</i></p> <p>Effective power <i>400</i></p> <p>Diameter of Screw (or Paddle Wheels) <i>8 ft. 6 ins</i></p> <p>Pitch of Screw <i>12 ft. 6 ins</i></p> <p>No. of Blades (or Floats) <i>four</i></p> <p>Description of Screw (or Floats) <i>Ordinary</i></p> <p>Holding down Bolts, size <i>1 1/4</i></p> <p>„ present condition <i>good</i></p>	<p>Bilge Pumps, No. (<i>2</i>) and size <i>8 ins diam.</i></p> <p>Feed „ No. (<i>2</i>) and size <i>8 ins. diam</i></p> <p>Spare gear, if usual quantity on board Vessel <i>yes</i></p> <p>Fuel, where stowed <i>side of Boilers</i></p> <p>„ space between Coal Bunkers and Boilers <i>18 inches</i></p> <p>„ for what quantity is space provided <i>54 tons</i></p> <p>Donkey Engine and Boiler <i>yes</i></p> <p>„ if fitted in Engine Room or on Deck <i>in Engine Room</i></p> <p>„ can pump be worked by hand <i>No</i></p> <p>„ size of pump () and stroke</p> <p>„ is hose of sufficient length to reach every part of the Vessel <i>yes</i></p> <p>No. () and continuation of hand pumps, if fitted in Engine Room <i>new</i></p>
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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 superheaters

<p>BOILER, maker of <i>Caird & Co</i></p> <p>„ age of <i>new</i></p> <p>„ when last taken out</p> <p>„ present condition <i>good</i></p> <p>„ working pressure <i>60 lbs</i></p> <p>No. of surface Blow off Cocks to each Boiler <i>two</i></p> <p>Screw Shaft length <i>15 ft</i> diameter <i>6 1/2</i> " Tunnel, thickness of plating <i>1/4 inch</i> height <i>14 feet</i></p> <p>width <i>5 ft 2 ins</i> if water-tight door on Engine Bulkhead. <i>yes</i></p>	<p>Can each Boiler be used separately</p> <p>What clear space between top of Boiler and woodwork <i>2 feet</i></p> <p>What clear space between Funnel and woodwork <i>4 feet</i></p> <p>Are Engine and Boiler Keelsons well connected fore and aft <i>yes</i></p>
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Port *Grauwed*

10th day of *February* 18 *93*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Steel~~) Screw (~~or Paddle~~) Steam Vessel *Mayagon* belonging to *McMurr & Co Limited* whereof *McMurr* is Master, *311* Tons Register, and *80* H.P. have been carefully inspected and examined by *us* at *Grauwed* and *we* found the same, at this date, in good order and safe working condition.

Caird & Co.
Marine Engineers.

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