

# 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 direct acting Inverted Cylinder Compound Engines with Surface Condenser having one High Pressure and one Low Pressure Cylinder.*

ENGINES, maker of *The Greenock Foundry Co*

„ age of *New*

„ last time taken out

„ present condition *New*

Diameter of Cylinder *45 in High and 48 in Low Pressure*

Length of stroke *3 feet 9 in*

No. per minute of Engines *60*

„ of Screw *60*

Estimated power *300*

Effective power *1500*

Diameter of Screw (or Paddle Wheels) *16 feet 6 in*

Pitch of Screw *21 feet*

No. of Blades (or Floats) *4*

Description of Screw (or Floats) *Griffiths*

Holding down Bolts, size *1 3/4 inch*

„ present condition *New*

Bilge Pumps, No. (*Two*) and size *3 1/4 in x 22 1/2 in Stroke*

Feed „ No. (*Two*) and size *3 1/4 in x 22 1/2 in*

Spare gear, if usual quantity on board Vessel *Yes*

Fuel, where stowed *Coal Bunkers*

„ space between Coal Bunkers and Boilers *15 inches*

„ for what quantity is space provided *400 Tons*

Donkey Engine and Boiler *Yes*

„ if fitted in Engine Room or on Deck *On Deck*

„ can pump be worked by hand *Yes*

„ size of pump (*4 1/2 in*) and stroke *8 in*

„ is hose of sufficient length to reach every part of the Vessel *Yes*

No. (*one*) and continuation of hand pumps, if fitted in Engine Room *Yes*

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 force, or after end of Boiler, &c.

*Four Coal Tubular Boilers with Two Furnaces in each Boiler. No Superheating Apparatus, fired athwartships.*

BOILER, maker of *The Greenock Foundry Co*

„ age of *New*

„ when last taken out

„ present condition *New*

„ working pressure *65 lbs*

No. of surface Blow off Cocks to each Boiler *one*

Can each Boiler be used separately *Yes*

What clear space between top of Boiler and woodwork *12 inches*

What clear space between Funnel and woodwork *2 feet*

Are Engine and Boiler Keelsons well connected fore and aft *Yes*

Screw SHAFT length *13 1/4 ft* diameter *12 1/2 in*

width *4 ft 6 in* if water-tight door on Engine Bulkhead. *Yes.*

Tunnel, thickness of plating *3/8 in* height *6 ft 6 in*

Port *Greenock* first day of *September* 18 *94*

*He* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Amara Poora"* belonging to *Patrick Henderson & Co* whereof *is* Master, *Tons* Register, and *300* H.P. have been carefully inspected and examined by *us* at *Greenock* and *we* found the same, at this date, in good order and safe working condition.

*The Greenock Foundry Co*

*for John Scott & Co*

Marine Engineers.

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