

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:—

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ENGINES.—Here state description of Engines, whether Direct Acting or Geared; Inverted, Horizontal, Diagonal, or Oscillating Cylinders; No. of Cylinders, &c.

*Inverted Compound Engines, Direct Acting
one High Pressure and one Low pressure Cyl*

ENGINES, maker of *Maudslayi Sons & Field*
 ,, age of *quite new*
 ,, last time taken out
 ,, present condition *quite new*
 Diameter of Cylinder *38" High pres. & 70" Low pres.*
 Length of stroke *4" 0*
 No. per minute of Engines *about 54*
 ,, of Screw *about 54*
 Estimated power *300 H.P.*
 Effective power *1000 H.P.*
 Diameter of Screw (or Paddle Wheels) *16" 0*
 Pitch of Screw *20" 0*
 No. of Blades (or Floats) *4 Bladed*
 Description of Screw (or Floats) *Cast iron with malleable blades*
 Holding down Bolts, size *1 1/2 in*
 ,, present condition *quite new*

Bilge Pumps, No. (*2*) and size *6 1/2 di 13 stroke*
 Feed ,, No. (*2*) and size *5 di 21 stroke*
 Spare gear, if usual quantity on }
 board Vessel }
 Fuel, where stowed *Engine room & forward Bunker*
 ,, space between Coal Bunkers } *9' lead space*
 and Boilers }
 ,, for what quantity is space provided *500*
 Donkey Engine and Boiler *Yes*
 ,, if fitted in Engine Room or } *Ballast & Bilge*
 on Deck } *Donkey in Engine Room*
 ,, can pump be worked by hand *Boiler Donkey Yes*
 ,, size of pump *(12 1/2")* and stroke *10 inch*
 ,, is hose of sufficient length to }
 reach every part of the Vessel }
 No. () and continuation of hand }
 pumps, if fitted in Engine Room }

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.

*Double ended circular Boilers, Two in number, with return tube
over furnaces, four furnaces in each Boiler, two at each end
No superheating apparatus fitted. Fitted at fore & aft ends of
Boiler*

BOILER, maker of *Maudslayi Sons & Field*
 ,, age of *quite new*
 ,, when last taken out
 ,, present condition *quite new*
 ,, working pressure *4 1/2 lbs*
 No. of surface Blow off Cocks to } *one*
 each Boiler }

Can each Boiler be used separately *Yes*
 What clear space between top of } *4" 9*
 Boiler and woodwork }
 What clear space between Funnel } *3" 8 lead*
 and woodwork }
 Are Engine and Boiler Keelsons } *Yes*
 well connected fore and aft }

SCREW SHAFT length *120-0* diameter *1 1/4" stem shaft* Tunnel, thickness of plating height *6" 0*
 width *5" 5* if water-tight door on Engine Bulkhead. *Yes*

Port *Newcastle* day of *Jan* 18 *73*

we hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~Wood~~)
 Screw (or Paddle) Steam Vessel "*Kanstein*" belonging to *London*
 whereof *R. Mc Rabb* is Master, *1029.87* Tons Register, and *300* H.P. have been
 carefully inspected and examined by *us* at *London* and *we* found the
 same, at this date, in good order and safe working condition.

Maudslayi Sons & Field
Engin

Marine Engineers.

Rankin

Maudslayi



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