

12114 tons.

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.

Direct Acting Inverted Surface Condenser with two Cylinders -

ENGINES, maker of *Muller & Kamenhill*
 „ age of *4 years*
 „ last time taken out
 „ present condition *Good*
 Diameter of Cylinder *39 in*
 Length of stroke *2 1/2 "*
 No. per minute of Engines *72*
 „ of Screw
 Estimated power *350*
 Effective power *90*
 Diameter of Screw (or Paddle Wheels) *11 feet*
 Pitch of Screw *16 feet*
 No. of Blades (~~or Floats~~) *3*
 Description of Screw (~~or Floats~~) *Common*
 Holding down Bolts, size *1 1/4 in*
 „ present condition *good*

Bilge Pumps, No. (*2*) and size *3 1/2*
 Feed „ No. (*2*) and size *3 1/2*
 Spare gear, if usual quantity on board Vessel } *Span screw*
 Fuel, where stowed *107 Low Side Bunkers*
 „ space between Coal Bunkers and Boilers } *3 1/2 in*
 „ for what quantity is space provided
 Donkey Engine and Boiler *one ballast on donkey*
 „ if fitted in Engine Room or on Deck } *Ballast on Deck*
 „ can pump be worked by hand *One hand pump*
 „ size of pump () and stroke *6" & 4*
 „ is hose of sufficient length to reach every part of the Vessel } *yes*
 No. (*3*) 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.

One tubular 4 furnaces no superheater - fired - after end -

BOILER, maker of *Sampson Moore & Co*
 „ age of *New*
 „ when last taken out
 „ present condition *Good*
 „ working pressure *26 lb 17 in*
 No. of surface Blow off Cocks to each Boiler } *One*

Can each Boiler be used separately
 What clear space between top of Boiler and woodwork } *2 feet*
 What clear space between Funnel and woodwork } *3 to*
 Are Engine and Boiler Keelsons well connected fore and aft } *yes*

SCREW SHAFT length *7 in* diameter *1 1/2 in* Tunnel, thickness of plating *stern pipe through Bulkhead* height
 width if water-tight door on Engine Bulkhead.

Port *25* day of *November* 18 *73*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Stentagerat* belonging to *London* whereof *Wm Lock* is Master, *534* Tons Register, and *90* H.P. have been carefully inspected and examined by me at *Liverpool* and I found the same, at this date, in good order and safe working condition.

Sampson Moore
 With J. J. *Liverpool*
 Marine Engineers.