

4115 Lm

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 - Two Cylinders -

ENGINES, maker of *C & W Earle*
 „ age of *New*
 „ last time taken out
 „ present condition
 Diameter of Cylinder *30"*
 Length of stroke *28"*
 No. per minute of Engines *70*
 „ of Screw
 Estimated power *75*
 Effective power *240*
 Diameter of Screw (or Paddle Wheels)
 Pitch of Screw *15 1/2"*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats)
 Holding down Bolts, size
 „ present condition

Bilge Pumps, No. () and size *Two 5"*
 Feed „ No. () and size *Two 5"*
 Spare gear, if usual quantity on board Vessel
 Fuel, where stowed *Coal Bunker*
 „ space between Coal Bunkers and Boilers
 „ for what quantity is space provided *140 Tons*
 Donkey Engine and Boiler *One*
 „ if Fitted in Engine Room or on Deck *in Eng. in Room*
 „ can pump be worked by hand *Yes*
 „ size of pump () and stroke *5" dia. 4" Stroke*
 „ is hose of sufficient length to reach every part of the Vessel *Yes*
 No. () and condition 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.

One Tubular Boiler with 3 furnaces, fired at fore end - No superheater

BOILER, maker of *C & W Earle*
 „ age of *New*
 „ when last taken out
 „ present condition
 „ working pressure *140 lbs*
 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 *None needed*
 What clear space between Funnel and woodwork
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length diameter Tunnel, thickness of plating height
 width if water-tight door on Engine Bulkhead

Port *Hull* 10th day of *June* 18*89*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Edgar* belonging to *Hull* whereof *Edgar* is Master, *553* Tons Register, and *75* H.P. have been carefully inspected and examined by us at *Hull* and we found the same, at this date, in good order and safe working condition.

Marine Engineers.

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