

14956 In

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, Compound Cylinders.
Compound Engines.*

ENGINES, maker of *London Glasgow Engineering Co. Ltd.*
 „ age of *new*
 „ last time taken out
 „ present condition
 Diameter of Cylinder *44 50" 29 88"*
 Length of stroke *4 feet*
 No. per minute of Engines *58*
 „ of Screw *58*
 Estimated power *450 ~~350~~ Nominal*
 Effective power *2,000*
 Diameter of Screw (or Paddle Wheels) *18 6 inches*
 Pitch of Screw *24 6"*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *Moveable Steel Blades*
 Holding down Bolts, size *1 1/4"*
 „ present condition *new*

Bilge Pumps, No. (*2*) and size *6 1/2*
 Feed „ No. (*2*) and size *6*
 Spare gear, if usual quantity on board Vessel *usual quantity*
 Fuel, where stowed *Forward & aft of Boilers*
 „ space between Coal Bunkers and Boilers *1 9"*
 „ for what quantity is space provided *600 Tons*
 Donkey Engine and Boiler *10 1/2"*
 „ if fitted in Engine Room or on Deck *in Engine Room*
 „ can pump be worked by hand *yes*
 „ size of pump (*6*) and stroke *10 inches*
 „ is hose of sufficient length to reach every part of the Vessel *yes*
 No. (*1*) and continuation of hand pumps, if fitted in Engine Room *Drawn from Coal & Bilge*

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.

Two Double ended oval Boilers, Tubular, with six furnaces and one Superheater on each, fired from Forward & after end of Boilers.

BOILER, maker of *London Glasgow Engineering Co. Ltd.*
 „ age of *new*
 „ when last taken out
 „ present condition
 „ working pressure *4 1/2 lbs*
 No. of surface Blow off Cocks to each Boiler *one to each Boiler*

Can each Boiler be used separately *yes*
 What clear space between top of Boiler and woodwork *4 feet*
 What clear space between Funnel and woodwork *2 9"*
 Are Engine and Boiler Keelsons well connected fore and aft *yes*

SCREW SHAFT length *26 feet* diameter *15 1/4"* Tunnel thickness of plating *1/16"* height *5 6"*
 width *4 6"* if water-tight door on Engine Bulkhead. *yes*

Port

Glasgow 14th

day of

July

1875

Mr hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "*Queen Margaret*" belonging to *The Queen Steamship Co. Ltd.* whereof *is* Master, *2,044 3/4* Tons Register, and *450* H.P. have been carefully inspected and examined by *us* at *Glasgow* and *we* found the same, at this date, in good order and safe working condition.

*For the London & Glasgow
Engineering & Ship Building Co.
Limited*
 Marine Engineers.



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