

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.

*Compound Engines with direct acting inverted
cylinders one high and one Low pressure*

ENGINES, maker of *Blair & Co*
 „ age of *new*
 „ last time taken out _____
 „ present condition _____
 Diameter of Cylinder *28½" & 56½"*
 Length of stroke *36"*
 No. per minute of Engines *about 60*
 „ of Screw _____
 Estimated power *130 HP*
 Effective power *about 480 HP*
 Diameter of Screw (or Paddle Wheels) *13' 6"*
 Pitch of Screw *about 14 ft*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) _____
 Holding down Bolts, size *2½" diam*
 „ present condition *new*

Bilge Pumps, No. (*2*) and size *4½" diam*
 Feed „ No. (*2*) and size *4½" diam*
 Spare gear, if usual quantity on } *yes*
 board Vessel
 Fuel, where stowed *in bunkers*
 „ space between Coal Bunkers } *12"*
 and Boilers
 „ for what quantity is space provided _____
 Donkey Engine and Boiler *Engine below*
 „ if fitted in Engine Room or } *Boiler on deck*
 on Deck
 „ can pump be worked by hand *yes*
 size of pump (*7½*) and stroke *9" double acting*
There is hose of sufficient length to } *deck*
 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 force, or after end of Boiler, &c.

*Two Tubular Boilers each with three furnaces
fired from aft*

BOILER, maker of *Blair & Co*
 „ age of *new*
 „ when last taken out _____
 „ present condition _____
 „ working pressure *about 70 lbs*
 No. of surface Blow off Cocks to } *1 on face & 1 on bottom*
 each Boiler } *blow off cock*
 SCREW SHAFT length *20' 3"* diameter *9 ¾"* Tunnel thickness of plating *3/16"* height *5' 1"*
 width *3' 3"* if water-tight door on Engine Bulkhead. *yes.*

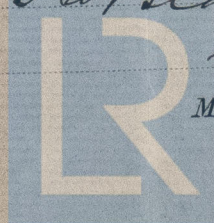
Can each Boiler be used separately *yes*
 What clear space between top of } *1 ft 9"*
 Boiler and woodwork
 What clear space between Funnel } *1 ft 9"*
 and woodwork
 Are Engine and Boiler Keelsons } *yes*
 well connected fore and aft

Port

19th day of *September* 187*3*

we hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)
 Screw (or Paddle) Steam Vessel "*Neptuno*" belonging to _____
 whereof _____ is Master, _____ Tons Register, and *135* H.P. have been
 carefully inspected and examined by *us* at _____ and *we* found the
 same, at this date, in good order and safe working condition.

Geo Blair & Co
W Blair
 Marine Engineers.



Lloyd's Register
Foundation

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