

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.

Inverted direct-acting two cylinders

ENGINES, maker of *Wm. & Donald R. Greenock*

„ age of *6 Months*

„ last time taken out

„ present condition *First class*

Diameter of Cylinder *15 in*

Length of stroke *18 1/2*

No. per minute of Engines *90*

„ of Screw

Estimated power *20 HP*

Effective power *90 HP*

Diameter of Screw (or Paddle Wheels) *6 ft.*

Pitch of Screw *13 1/2*

No. of Blades (or Floats) *4*

Description of Screw (or Floats)

Holding down Bolts, size *10 x 7/8 in diam*

„ present condition *Good*

Bilge Pumps, No. (*One*) and size *2 1/2 x 8 in stroke*

Feed „ No. (*one*) and size *2 1/2 x 4 in*

Spare gear, if usual quantity on board Vessel *Yes*

Fuel, where stowed *Fore of Stowehole*

„ space between Coal Bunkers and Boilers *5 ft 8 in*

„ for what quantity is space provided *8 Tons*

Donkey Engine and Boiler

„ if fitted in Engine Room or on Deck *Engine room*

„ can pump be worked by hand *No*

„ size of pump (*3 in*) and stroke *5 1/2 in*

„ is hose of sufficient length to reach every part of the Vessel *Yes*

No. (*—*) and continuation of hand pumps, if fitted in Engine Room *1 to each hold*

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.

The Tubular fire from forward end, two furnaces

BOILER, maker of *Wm. & Donald R. Greenock*

„ age of *6 Months*

„ when last taken out

„ present condition *First Class*

„ working pressure *5 1/2 lbs*

No. of surface Blow off Cocks to each Boiler *One & one on skin of ship*

Can each Boiler be used separately

What clear space between top of Boiler and woodwork *8 in*

What clear space between Funnel and woodwork *2 ft 6 in*

Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *20 ft* diameter *4 1/2 in* Tunnel, thickness of plating height
width if water-tight door on Engine Bulkhead.

Port *Liverpool*

day of *10th Sep* 18 *72*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Seagull* belonging to *Lane & Co* whereof *J. W. Thatcher* is Master, *3,57* Tons Register, and *20* H.P. have been carefully inspected and examined by us at *Birkenhead* and have found the same, at this date, in good order and safe working condition.

James Laybourn
W. Birkenhead

IRON 452 - 0143

Marine Engineers.

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Foundation