

10682

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 direct Acting inverted Engines with two cylinders

ENGINES, maker of *Blackwood & Gordon*
 „ age of *New*
 „ last time taken out
 „ present condition *Good*
 Diameter of Cylinder *26" HP & 46" LP Cylinders*
 Length of stroke *33"*
 No. per minute of Engines *75*
 „ of Screw *75*
 Estimated power *93*
 Effective power *400*
 Diameter of Screw (or Paddle Wheels) *11' 0"*
 Pitch of Screw *19' 0"*
 No. of Blades (or Floats) *Four Blades*
 Description of Screw (or Floats) *Cast iron with Blade Bolted on*
 Holding down Bolts, size *1 3/8"*
 „ present condition *Good*

Bilge Pumps, No. (*Two*) and size *3 1/2" x 15" Stroke*
 Feed „ No. (*Two*) and size *3 1/2" x 15" Stroke*
 Spare gear, if usual quantity on board Vessel *Yes*
 Fuel, where stowed *Athwartship Bunker forward of the Boiler*
 „ space between Coal Bunkers and Boilers *No bunkers*
 „ for what quantity is space provided *30 Tons*
 Donkey Engine and Boiler *Yes*
 „ if fitted in Engine Room or on Deck *Engine Room*
 „ can pump be worked by hand *No*
 „ size of pump (*3"*) and stroke *6"*
 „ is hose of sufficient length to reach every part of the Vessel *Yes*
 No. (*one*) and continuation of hand pumps, if fitted in Engine Room *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.

Two round horizontal tubular Boilers with two furnaces fired from forward end no Superheating Apparatus

BOILER, maker of *Blackwood & Gordon*
 „ age of *New*
 „ when last taken out *—*
 „ present condition *Good*
 „ working pressure *60 lbs*
 No. of surface Blow off Cocks to each Boiler *one Surface & one Bottom Blow off on each Boiler*

Can each Boiler be used separately *Yes*
 What clear space between top of Boiler and woodwork *9"*
 What clear space between Funnel and woodwork *12"*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *68 feet* diameter *8"* Tunnel, thickness of plating *1/4"* height *3' 9"*
 width *3' 3"* if water-tight door on Engine Bulkhead. *Yes*

Port of *Port Glasgow* 25th day of *Oct* 18⁷²

ME hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Gtway"* belonging to *Marranabool* whereof *J. J. Coombes* is Master, *240* Tons Register, and *93* H.P. have been carefully inspected and examined by *us* at *Port Glasgow* and *we* found the same, at this date, in good order and safe working condition.

Blackwood & Gordon
 Marine Engineers.