

In 2653

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.

ENGINES, maker of *J & G Young*
 „ age of *new*
 „ last time taken out
 „ present condition *Good*
 Diameter of Cylinder *19" x 34"*
 Length of stroke *24"*
 No. per minute of Engines *90*
 „ of Screw *90*
 Estimated power *50*
 Effective power *200*
 Diameter of Screw (or Paddle Wheels) *9.6"*
 Pitch of Screw *12.0*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats)
 Holding down Bolts, size *1 1/2"*
 „ present condition *Good*

Bilge Pumps, No. (*1*) and size *3"*
 Feed „ No. (*1*) and size *3"*
 Spare gear, if usual quantity on board Vessel
 Fuel, where stowed *Alongside of Boiler*
 „ space between Coal Bunkers and Boilers *8"*
 „ for what quantity is space provided *60 Tons*
 Donkey Engine and Boiler *yes*
 „ if fitted in Engine Room or on Deck *Engine room*
 „ can pump be worked by hand *yes*
 „ size of pump (*4"*) and stroke *10"*
 „ is hose of sufficient length to reach every part of the Vessel *yes*
 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.

One tubular Boiler, with two furnaces. no superheating apparatus. fired from after end.

BOILER, maker of *J & G Young*
 „ age of *new*
 „ when last taken out
 „ present condition *Good*
 „ working pressure *65 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 *No wood work near*
 What clear space between Funnel and woodwork *No wood work near*
 Are Engine and Boiler Keelsons well connected fore and aft *yes*

SCREW SHAFT length *48'* diameter *6 3/4"* Tunnel thickness of plating height
 width if water-tight door on Engine Bulkhead. *yes*

Port *Ayr* *23rd* day of *April* 18 *74*
 We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Rosebud* belonging to
 whereof is Master, Tons Register, and *50* H.P. have been
 carefully inspected and examined by *us* at *Ayr* and we found the
 same, at this date, in good order and safe working condition.

J & G Young
Bulcan Foundry
 Marine Engineers.
 Lloyd's Register Foundation