

10529 9

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 two Cylinders

ENGINES, maker of *J & J Young*
 age of *New*
 last time taken out
 present condition *New*
 diameter of Cylinder *26" 4 1/2"*
 length of stroke *24 in*
 revolutions per minute of Engines *66*
 diameter of Screw *6 6*
 estimated power *95*
 effective power *95*
 diameter of Screw (or Paddle Wheels) *11 ft*
 length of Screw *18 ft*
 number of Blades (or Floats) *4*
 description of Screw (or Floats) *Iron*
 diameter of Bolts, size *1 3/4*
 present condition *New*

Bilge Pumps, No. (*2*) and size *3 1/2*
 Feed ,, No. (*2*) and size *3 1/2*
 Spare gear, if usual quantity on board Vessel } *Yes*
 Fuel, where stowed *on each side Boiler*
 ,, space between Coal Bunkers and Boilers } *8 in*
 ,, for what quantity is space provided *90 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 (*3*) and stroke *9 in*
 ,, is hose of sufficient length to reach every part of the Vessel } *Yes*
 No. (*4*) and continuation of hand pumps, if fitted in Engine Room } *Yes*

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 Circular Multitubular three furnaces
No superheater large upright steam chest
fixed after end*

BOILER, maker of *J & J Young*
 age of *New*
 when last taken out
 present condition *New*
 working pressure *65 lbs*
 surface Blow off Cocks to each Boiler } *one*
 SHAFT length *65 ft* diameter *8 in*
 width *to frame* if water-tight door on Engine Bulkhead. *no, unbraced aft*

Can each Boiler be used separately *Only one*
 What clear space between top of Boiler and woodwork } *one foot*
 What clear space between Funnel and woodwork } *one foot*
 Are Engine and Boiler Keelsons well connected fore and aft } *Yes*

Port *Ayr* *5th* day of *September* 18*92*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) (or Paddle) Steam Vessel *Saltie* belonging to *Glasgow* of *Tons* is Master, *252* Tons Register, and *95* H.P. have been fully inspected and examined by *us* at *Ayr* and we found the at this date, in good order and safe working condition.

J & J Young
Duncan Foundry
 Marine Engineers.