

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 Inverted direct acting
with Two Cylinders*

ENGINES, maker of *Barclay Curle & Co*
 „ age of *new*
 „ last time taken out
 „ present condition *new*
 Diameter of Cylinders *44" & 48"*
 Length of stroke *48 ins*
 No. per minute of Engines *62*
 „ of Screw *62*
 Estimated power *265-*
 Effective power *1330*
 Diameter of Screw (or Paddle Wheels) *14'-3"*
 Pitch of Screw *25'-0"*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *Common*
 Holding down Bolts, size *1 1/2 in*
 „ present condition *new*

Bilge Pumps, No. (*2*) and size *5 1/2"*
 Feed „ No. (*2*) and size *5 1/2"*
 Spare gear, if usual quantity on board Vessel } *no spare gear*
 Fuel, where stowed *in cross & fore aft Bunkers*
 „ space between Coal Bunkers and Boilers } *18 ins*
 „ for what quantity is space provided *635.68 Tons.*
 Donkey Engine and Boiler *yes*
 „ if fitted in Engine Room or on Deck } *yes in below, Boiler on Deck*
 „ can pump be worked by hand *no*
 „ size of pump (*6 1/2*) and stroke *12"*
 „ is hose of sufficient length to reach every part of the Vessel } *yes*
 No. (*1*) 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 fore, or after end of Boiler, &c.

*4 Return tubular Oval Boilers with 3 furnaces
in each, fitted with Superheater, and fired
athwartships.*

BOILER, maker of *Barclay Curle & Co*
 „ age of *new*
 „ when last taken out
 „ present condition *new*
 „ working pressure *60 lbs*
 No. of surface Blow off Cocks to each Boiler *one*

Can each Boiler be used separately *yes*
 What clear space between top of Boiler and woodwork } *18"*
 What clear space between Funnel and woodwork } *2 feet*
 Are Engine and Boiler Keelsons well connected fore and aft } *yes*

NEW SHAFT length *105 ft* diameter *12 1/2"* Tunnel, thickness of plating *5/16"* height *5'-8"*
 width *4'-3"* if water-tight door on Engine Bulkhead. *no*

Port of *Glasgow* *11th* day of *February* 187*3*

we hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~) *new (or Paddle)* Steam Vessel *"Colina"* belonging to *Donaldson Brothers* of *Glasgow* is Master, *1296 81/100* Tons Register, and *265* H.P. have been carefully inspected and examined by *us* at *Glasgow* and have found the same, at this date, in good order and safe working condition.

Barclay Curle & Co



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Foundation

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