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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 cylinder, direct acting, surface Condensing Compound.

ENGINES, maker of *London & Glasgow Coy.*
 age of *New*
 last time taken out _____
 present condition *New*
 Diameter of Cylinders *40 ins. + 40 ins.*
 Length of stroke *3 ft. 9 ins.*
 Revolutions per minute of Engines *52*
 Pitch of Screw *52*
 Rated power _____
 Effective power _____
 Diameter of Screw (or Paddle Wheels) *14 ft. 6 ins.*
 Pitch of Screw *24 ft. 6 ins.*
 Number of Blades (or Floats) _____
 Description of Screw (or Floats) *Steel Blades*
 Diameter of Binding down Bolts, size *1 1/4 ins.*
 present condition *New*

Bilge Pumps, No. (*2*) and size *8 ins diam. 8 1/2 stroke*
 Feed ,, No. (*2*) and size *6 ins diam. 15 ins. stroke*
 Spare gear, if usual quantity on board Vessel _____
 Fuel, where stowed *Slide and Fore + Aft Bunkers.*
 ,, space between Coal Bunkers and Boilers } *1 ft. 6 ins.*
 ,, for what quantity is space provided _____
 Donkey Engine and Boiler _____
 ,, if fitted in Engine Room or on Deck } *Boiler on Deck*
 ,, can pump be worked by hand *Yes.*
 ,, size of pump (*4 1/2*) and stroke *10 ins.*
 ,, 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 } *Boiler, Deck + Sea*

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.

2 double ended Circular Boilers. 12 Furnaces. Fired fore + aft

BOILER, maker of *London & Glasgow Coy.*
 age of *New*
 when last taken out _____
 present condition *New*
 working pressure *40 lbs*
 Number of surface Blow off Cocks to each Boiler } *One*
 Shaft length *100 ft.* diameter *12 3/4 ins.* Tunnel, thickness of plating _____ height *5 ft. 6 in.*
 width *4 ft. 6 in.* if water-tight door on Engine Bulkhead. *No*

Can each Boiler be used separately *Yes.*
 What clear space between top of Boiler and woodwork } *No woodwork*
 What clear space between Funnel and woodwork } *No woodwork*
 Are Engine and Boiler Keelsons well connected fore and aft } *Yes.*

Port *Glasgow* - *Twelfth* day of *December* 18 *72*

we hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) (or Paddle) Steam Vessel *Clendyon* belonging to *Allan Cowley* is Master, *1373 02/100* Tons Register, and *275* H.P. have been fully inspected and examined by *us* at *Glasgow* and *we* found the at this date, in good order and safe working condition.

J. Stimpson
 for London & Glasgow Engineers & Iron Shipbuilding Company Limited
 Marine Engineers.