

15357 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

Regd 11/75

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.

A pair of direct acting inverted cylinder compound engines one high & one low pressure cylinder fitted with surface condenser.

ENGINES, maker of *Kincaid Donald & Co*
 „ age of *New*
 „ last time taken out *"*
 „ present condition *"*
 Diameter of Cylinders *22 ins & 40 ins*
 Length of stroke *27 ins*
 No. per minute of Engines *74*
 „ of Screw *"*
 Estimated power *70*
 Effective power *340*
 Diameter of Screw (or Paddle Wheels) *10' 10"*
 Pitch of Screw *14' 6"*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *Common*
 Holding down Bolts, size *1 1/8"*
 „ present condition *New*

Bilge Pumps, No. (*2*) and size *2 1/2 ins*
 Feed „ No. (*2*) and size *2 1/2 ins*
 Spare gear, if usual quantity on board Vessel *Usual quantity*
 Fuel, where stowed *bunkers on each side of boiler*
 „ space between Coal Bunkers and Boilers *18 ins*
 „ 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 *no*
 „ size of pump (*4*) and stroke *8 ins double acting*
 „ 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 *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.

One horizontal tubular boiler, three furnaces fired fore & aft

H Wallace & Co
 BOILER, maker of *Galloway & Co*
 „ age of *New*
 „ when last taken out *"*
 „ present condition *"*
 „ working pressure *"*
 No. of surface Blow off Cocks to each Boiler *one surface and one bottom cock*
 SCREW SHAFT length *54 feet* diameter *6 1/2 ins* Tunnel thickness of plating *height 5 feet*
 width *3' 9"* if water-tight door on Engine Bulkhead. *Water tight door*

Can each Boiler be used separately *"*
 What clear space between top of Boiler and woodwork *6' 6"*
 What clear space between Funnel and woodwork *2 feet*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

Port *Glasgow* 27th day of *Dec* 1875

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Cona"* belonging to *Messrs. Pile & Co* whereof *Stewart* is Master, *382* Tons Register, and *70* 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.

Kincaid, Donald & Co

Marine Engineers.



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Mr Molise is inspecting
this mach^y, this certificate
will therefore be of no use.
it is submitted that ~~the~~
M.C. be not granted
until Mr Molise's report
is received

M 9/11/75



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