

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 44 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

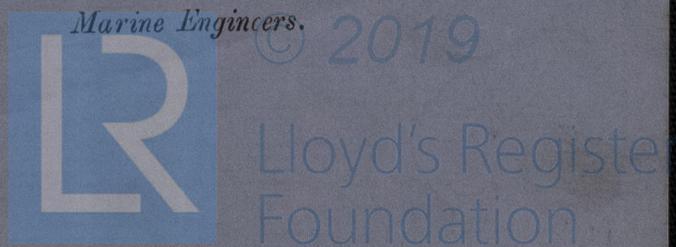
BOILER, maker of H Wallage & Co. age of New when last taken out present condition working pressure No. of surface Blow off Cocks to each Boiler one surface and one bottom cock SCREW SHAFT length 57 feet diameter 6 1/2 ins Tunnel thickness of plating width 3' 9" if water-tight door on Engine Bulkhead.

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 height 5 feet

Port Gurnock 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



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

M 9/11/75



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Foundation