

14 928 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE. Rec 19/8/75

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.Compound, direct acting, inverted cylinder, surface condensing.
one high and one low pressure cylinder.

ENGINES, maker of *Columb, Coulborn & Co*
 „ age of *new*
 „ last time taken out
 „ present condition *new*
 Diameter of Cylinder *one 32" & one 60"*
 Length of stroke *3 ft 6"*
 No. per minute of Engines *60*
 „ of Screw *60*
 Estimated power *1450*
 Effective power *850*
 Diameter of Screw (~~or Paddle Wheels~~) *14 ft*
 Pitch of Screw *18 ft*
 No. of Blades (~~or Floats~~) *four*
 Description of Screw (~~or Floats~~) *solid cast iron*
 Holding down Bolts, size *1 1/4" dia.*
 „ present condition *new*

Bilge Pumps, No. (*2*) and size *4" dia x 1 1/2" stroke*
 Feed „ No. (*2*) and size *4" dia x 1 1/2" stroke*
 Spare gear, if usual quantity on } *yes*
 board Vessel
 Fuel, where stowed *cross coal bunker*
 „ space between Coal Bunkers } *11 feet 0"*
 and Boilers
 „ for what quantity is space provided *105 Tons*
 Donkey Engine and Boiler *yes*
 „ if fitted in Engine Room or } *on deck engine room*
 on Deck
 „ can pump be worked by hand *yes*
 „ size of pump (*4"*) and stroke *8"*
 „ is hose of sufficient length to } *yes*
 reach every part of the Vessel
 No. () and continuation of hand }
 pumps, if fitted in 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.Two round, return tubular Boilers, with 3 furnaces in each.
Fitted with superheater. Fired from forward.

BOILER, maker of *Columb, Coulborn & Co*
 „ age of *new*
 „ when last taken out
 „ present condition
 „ working pressure *40 lbs.*
 No. of surface Blow off Cocks to } *2*
 each Boiler }

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

SCREW SHAFT length *40 ft* diameter *10" x 10 1/2"* Tunnel thickness of plating *5/16"* height *6 feet*
 width *2 ft 9"* if water-tight door on Engine Bulkhead. *yes*

Port *Reufren* 13th day of *August* 18⁷⁵

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)
 Screw (or Paddle) Steam Vessel *Frederic Frauck* belonging to *Haure*
 whereof *Breton* is Master, *664 25* Tons Register, and *170* H.P. have been
 carefully inspected and examined by *us* at *Reufren* and *we* found the
 same, at this date, in good order and safe working condition.

Columb Coulborn & Co
 Marine Engineers.

Lloyd's Register
Foundation

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