

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.

*A pair of direct acting, inverted cylinder, High pressure
Surface Condensing, Engines with two cylinders.*

ENGINES, maker of *Hall Russell & Co*
 „ age of *New in May 1874*
 „ last time taken out
 „ present condition *Good*
 Diameter of Cylinder *15 inches*
 Length of stroke *15 inches*
 No. per minute of Engines *90*
 „ of Screw *90*
 Estimated power *25 H.P.*
 Effective power *100*
 Diameter of Screw (or Paddle Wheels) *7 feet*
 Pitch of Screw *9 feet 3 in*
 No. of Blades (or Floats) *Four*
 Description of Screw (or Floats) *Common*
 Holding down Bolts, size *Ample*
 „ present condition *Good*

Bilge Pumps, No. (*1*) and size *2 1/2 in*
 Feed „ No. (*1*) and size *2 1/2 in*
 Spare gear, if usual quantity on board Vessel *Yes*
 Fuel, where stowed *In bunkers*
 „ space between Coal Bunkers and Boilers *Ample*
 „ for what quantity is space provided *10 tons*
 Donkey Engine ~~and Boiler~~ *Yes*
 „ if fitted in Engine Room or on Deck *Engine room*
 „ can pump be worked by hand *Yes*
 „ size of pump () and stroke *2 1/4 in 3 1/4 stroke*
 „ is hose of sufficient length to reach every part of the Vessel *Yes*
 No. () and continuation of hand pumps, if fitted in Engine Room *No*

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 force, or after end of Boiler, &c.

*One cylindrical tubular boiler with two furnaces
large steam chest in uptake and fired from after end.*

BOILER, maker of *Hall Russell & Co*
 „ age of *New in May 1874*
 „ when last taken out
 „ present condition *Good*
 „ working pressure *65 lbs*
 No. of surface Blow off Cocks to each Boiler *One*

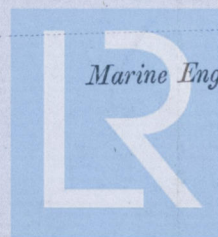
Can each Boiler be used separately *only one boiler*
 What clear space between top of Boiler and woodwork *Ample*
 What clear space between Funnel and woodwork *Ample*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *about 20 feet* diameter *3 1/4 inches* Funnel thickness of plating *No funnel* height
 width *if water-tight door on Engine Bulkhead.*

Port *of Aberdeen* 26th day of *May* 1875

We hereby certify, that the whole of the above Machinery and Boilers of the ~~Iron~~ (or Wood)
 Screw (or Paddle) Steam Vessel *"Volant"* belonging to *Aberdeen*
 whereof *Geo. Cumbe* is Master, *102* Tons Register, and *25 H.P.* have been
 carefully inspected and examined by *us* at *Aberdeen* and *we* found the
 same, at this date, in good order and safe working condition.

Hall Russell & Co



Marine Engineers.

© 2019

Lloyd's Register
Foundation

ABN 6-0256