

14478 Lion

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 Engines
with two cylinders*

ENGINES, maker of *Thompson & Wood*
 „ age of *18 years*
 „ last time taken out *Nov 1870*
 „ present condition *good Condition*
 Diameter of Cylinder *36"*
 Length of stroke *26"*
 No. per minute of Engines *68*
 „ of Screw *68*
 Estimated power *75*
 Effective power *300*
 Diameter of Screw (or Paddle Wheels) *10" 7"*
 Pitch of Screw *16" 6"*
 No. of Blades (or Floats) *4 blades*
 Description of Screw (or Floats) *Common*
 Holding down Bolts, size *2"*
 „ present condition *good*

Bilge Pumps, No. (*two*) and size *4" dia 12 1/2" Stroke*
 Feed „ No. (*two*) and size *4" " 12 1/2" "*
 Spare gear, if usual quantity on board Vessel *Yes*
 Fuel, where stowed *Alongside engines & Boiler*
 „ space between Coal Bunkers and Boilers *15"*
 „ for what quantity is space provided *50 tons*
 Donkey Engine and Boiler *Yes*
 „ if fitted in Engine Room or on Deck *Boiler on Deck, Donkey in engine room*
 „ can pump be worked by hand *Yes*
 „ size of pump (*5" dia*) and stroke *10"*
 „ 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 Hand Pump 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.

*One Square, Return tubular, Boiler, with four Furnaces fired from after
end, Fitted with Superheater*

BOILER, maker of *Price Bros. Dundee*
 „ age of *4 1/2 years*
 „ when last taken out *Nov 1870*
 „ present condition *good*
 „ working pressure *20 lbs*
 No. of surface Blow off Cocks to each Boiler *One*

Can each Boiler be used separately
 What clear space between top of Boiler and woodwork *22"*
 What clear space between Funnel and woodwork *6"*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *29 10* diameter *7"* Tunnel thickness of plating *No tunnel* height
 width *if water tight door on Engine Bulkhead.*

Port of *Dundee* 19th day of *May* 1873

hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)
 Screw (or Paddle) Steam Vessel *Harvest Queen* belonging to *Dundee*
 whereof *W. Webster* is Master, *362* Tons Register, and *75* H.P. have been
 carefully inspected and examined by *us* at *Dundee* and we found the
 same, at this date, in good order and safe working condition.

Coulson Brothers & Co

Marine Engineers.



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Foundation

Went Gouley have made a mistake
about this H.P. see their letter
of Feb-4th 16 to Mr Alexander
it is altered in the new
book. edition to 90 H.P.
WD 24/2/16



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