

OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE. 13669, *Lin*

Account of the Particulars of the Machinery and Boilers:—

Description of Engines, whether Direct Acting or Geared, Inverted, Horizontal, Diagonal, or Oscillating Cylinders  
Engines, &c.

*Compound Engine with direct acting inverted  
cylinders one High and one Low Pressure*

Engines, maker of *Blair & Co Ltd*  
 age of *new*  
 last time taken out \_\_\_\_\_  
 present condition \_\_\_\_\_  
 Diameter of Cylinder *27" x 50 1/2"*  
 Length of stroke *33"*  
 No. per minute of Engines *about 65*  
 of Screw \_\_\_\_\_  
 Estimated power *99 HP*  
 Effective power *about 400 HP*  
 Diameter of Screw (or Paddle Wheels) *12" x 6"*  
 Pitch of Screw *about 14 ft*  
 No. of Blades (or Floats) *4*  
 Description of Screw (or Floats) \_\_\_\_\_  
 Holding down Bolts, size *2 1/2" diam*  
 present condition *new*

Bilge Pumps, No. ( *2* ) and size *3 3/4 diam*  
 Feed " No. ( *2* ) and size *3 3/4 diam*  
 Spare gear, if usual quantity on  
board Vessel *yes*  
 Fuel, where stowed *In Bunkers*  
 " space between Coal Bunkers } *12"*  
 and Boilers }  
 " for what quantity is space provided *20 Tons*  
 Donkey Engine and Boiler }  
 " if fitted in Engine Room or } *both below*  
 on Deck }  
 " can pump be worked by hand *yes*  
 " size of pump (*7 1/2"*) and stroke *9" Double acting*  
*There is* hose of sufficient length to } *deck*  
 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.

*One Tubular Boiler with four furnaces  
fired from forward*

BOILER, maker of *Blair & Co Ltd*  
 age of *new*  
 when last taken out \_\_\_\_\_  
 present condition \_\_\_\_\_  
 working pressure *65 lb*  
 No. of surface Blow off Cocks to } *1 Surface & 1 Bottom*  
 each Boiler } *blow off cock*  
 SCREW SHAFT length *20' 11"* diameter *8 3/4"* Tunnel thickness of plating *1/4"* height *4' 6"*  
 width *3' 2"* if water-tight door on Engine Bulkhead. *Yes*

Can each Boiler be used separately \_\_\_\_\_  
 What clear space between top of } *2' 3"*  
 Boiler and woodwork }  
 What clear space between Funnel } *2' 3"*  
 and woodwork }  
 Are Engine and Boiler Keelsons } *yes*  
 well connected fore and aft }

Port *Stockton* *20<sup>th</sup>* day of *November* 187*4*

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~)  
 Screw (~~or Paddle~~) Steam Vessel "*Sir G Galahad*" belonging to *Messrs Richards, Power & Co*  
 whereof *James Luty* is Master, *633.42* Tons Register, and *99* H.P. have been  
 carefully inspected and examined by *us* at *Stockton on Tees* and *we* found the  
 same, at this date, in good order and safe working condition.

*J. Blair & Co Ltd*

*J. Blair*  
Marine Engineers.



Lloyd's Register  
Foundation

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