

OF BRITISH AND FOREIGN SHIPPING.

EEER'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

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' 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 and Boilers *12"*
 „ for what quantity is space provided *20 Tons*
 Donkey Engine and Boiler
 „ if fitted in Engine Room or on Deck *both below*
 „ can pump be worked by hand *Yes*
 „ size of pump (*7 1/2"*) and stroke *9" Double acting*
 „ is hose of sufficient length to reach every part of the Vessel *deck*
 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 force, 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 each Boiler *1 Surface & 1 Bottom 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 Boiler and woodwork *2' 3"*
 What clear space between Funnel and woodwork *2' 3"*
 Are Engine and Boiler Keelsons well connected fore and aft *yes*

Port *Stockton* 20th day of *November* 1874

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *His Majesty's 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

Marine Engineers.



Lloyd's Register
Foundation

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