

Report No 3486. S. S. "J. B. Walker"

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

14408 Ton.

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.

Compound Direct Acting. Inverted Cylinders & Surface
Condensing Engines. No. of Cylinders. Two.

ENGINES, maker of *Thos Richardson & Sons*
 „ ~~age of~~
 „ ~~last time taken out~~
 „ present condition *new*
 Diameter of Cylinders *30" & 54"*
 Length of stroke *33"*
 No. per minute of Engines *65*
 „ of Screw *65*
 Estimated power *150*
 Effective power *600*
 Diameter of Screw (~~on Paddle Wheels~~) *13" 0*
 Pitch of Screw
 No. of Blades (~~on Paddles~~) *4*
 Description of Screw (~~on Paddles~~) *Ordinary*
 Holding down Bolts, size *1 1/4" Diam*
 „ present condition *new*

Bilge Pumps, No. (*Two*) and size *6" Diam & 6" Stroke*
 Feed „ No. („) and size *3 1/4" & 2 3/2"*
 Spare gear, if usual quantity on } *yes*
 board Vessel
 Fuel, where stowed *Side Bunkers*
 „ space between Coal Bunkers } *21' & 24"*
 and Boilers
 „ for what quantity is space provided *330 Tons*
 Donkey Engine and Boiler *yes*
 „ if fitted in Engine Room or } *In the engine room*
 on Deck
 „ can pump be worked by hand *no*
Two „ size of pump (*7 1/2* / *3 1/2*) and stroke *9 1/2* } *Double acting*
 „ is hose of sufficient length to } *yes*
 reach every part of the Vessel
 No. (*one*) and continuation of hand } *Fitted in the engine room*
 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.

Cylindrical Boiler, Tubular, Four Furnaces, No
Superheaters & Fired, Fore & Aft

BOILER, maker of *Thos Richardson & Sons*
 „ ~~age of~~
 „ ~~when last taken out~~
 „ present condition *new*
 „ working pressure *65 lbs per sq inch*
 No. of surface Blow off Cocks to } *One 3/4" & One Surface*
 each Boiler

Can each Boiler be used separately *Single boiler*
 What clear space between top of } *3' 6"*
 Boiler and woodwork
 What clear space between Funnel } *2' 3"*
 and woodwork
 Are Engine and Boiler Keelsons } *yes*
 well connected fore and aft

SCREW SHAFT length *103' 6"* diameter *9" & 9 1/2"* Tunnel thickness of plating height *5' 0"*
 width *3' 9"* if water-tight door on Engine Bulkhead. *yes*

Port *Hartlepool* *24th* day of *April* 18*75*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~)
 Screw (~~or Paddle~~) Steam Vessel "*J B Walker*" belonging to *J. B. Walker & Co.*
 whereof is Master, *969 1/2* Tons Register, and *150* H.P. have been
 carefully inspected and examined by *us* at *Hartlepool* and *we* found the
 same, at this date, in good order and safe working condition.

Thos Richardson & Sons
Chas Smith
 Marine Engineers.



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