

Report No. 2906.

# 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.

*Compound Direct Acting Inverted Cylinders & Surface Condensing Engines, 2 of Cylinders Two,*

ENGINES, maker of *Wm. Richardson & Sons*  
 age of \_\_\_\_\_  
 last time taken out \_\_\_\_\_  
 present condition *new*  
 diameter of Cylinders *25" & 48"*  
 length of stroke *36"*  
 No. per minute of Engines *58*  
 of Screw *58*  
 estimated power *96*  
 effective power *400*  
 diameter of Screw (or Paddle Wheels) *12" & 16"*  
 pitch of Screw *16"*  
 No. of Blades (or Floats) *4*  
 Description of Screw (or Floats) *Common*  
 lashing down Bolts, size *1 1/2 in*  
 present condition *new*

*These with 2 1/2" centrifugal pumps arranged to pump from ballast tanks bilges*

Bilge Pumps, No. ( *1* ) and size *3 3/4" diam & 36" stroke*  
 Feed " No. ( *1* ) and size " " " "  
 Spare gear, if usual quantity on board Vessel *yes*  
 Fuel, where stowed *Side Bunkers*  
 " space between Coal Bunkers and Boilers *6"*  
 " for what quantity is space provided *93 Tons*  
 Donkey Engine and Boiler *on Deck*  
 " if fitted in Engine Room or on Deck *fitted in Engine Room*  
 " can pump be worked by hand *yes*  
 " size of pump ( *3"* ) and stroke *8" Double Acting*  
 " is hose of sufficient length to reach every part of the Vessel *yes*  
 No. ( *1* ) and continuation of hand pumps, if fitted in Engine Room *4 3/4" diam & 10" stroke 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.

*Cylindrical Boiler. Tubular, Three Furnaces. Fitted with Superheater & Fired at Fore End,*

BOILER, maker of *Wm. Richardson & Sons*  
 age of \_\_\_\_\_  
 when last taken out \_\_\_\_\_  
 present condition *new*  
 working pressure *6.5 lbs per sq in*  
 No. of surface Blow off Cocks to each Boiler *1 Surface & 1 Bottom*  
 BREW SHAFT length *76" 5"* diameter *7 1/2" & 8"*  
 width *3" 9"* if water-tight door on Engine Bulkhead. *yes*

Can each Boiler be used separately *Single Boiler*  
 What clear space between top of Boiler and woodwork *2" 0"*  
 What clear space between Funnel and woodwork *2" 0"*  
 Are Engine and Boiler Keelsons well connected fore and aft *yes*  
 height *4" 6"*

Port *Hartlepool* day of *December* 18*90*

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or ~~Wrought~~) *Iron* Steam Vessel *Ann Webster* belonging to \_\_\_\_\_ whereof \_\_\_\_\_ is Master, *498 80/100* Tons Register, and *96* 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.

*Wm. Richardson & Sons*  
*Marine Engineers.*

IRON 503-0164