

12532

# 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 Surface Condensing Horizontal Engines with Two Cylinders*

ENGINES, maker of *John Readhead & Co*  
 „ age of *New*  
 „ last time taken out \_\_\_\_\_  
 „ present condition *Good*  
 Diameter of Cylinder *23 1/2 x 44"*  
 Length of stroke *30"*  
 No. per minute of Engines *Twenty*  
 „ of Screw *Lead*  
 Estimated power *350 H.P.*  
 Effective power *350*  
 Diameter of Screw (or Paddle Wheels) *10 1/2 ft*  
 Pitch of Screw *16 ft*  
 No. of Blades (or Floats) *four*  
 Description of Screw (or Floats) *ordinary*  
 Holding down Bolts, size *1 1/2"*  
 „ present condition *Good*

Bilge Pumps, No. ( *2* ) and size *3 x 16" Stroke*  
 Feed „ No. ( *2* ) and size *3 x 16" dia*  
 Spare gear, if usual quantity on board Vessel } *yes*  
 Fuel, where stowed *alongside of engine & Boiler*  
 „ space between Coal Bunkers and Boilers } *9 inches*  
 „ for what quantity is space provided *100 Tons*  
 Donkey Engine and Boiler *yes*  
 „ if fitted in Engine Room or on Deck } *Engine Room*  
 „ can pump be worked by hand *yes*  
 „ size of pump ( *8"* ) and stroke *12"*  
 „ 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 } *one hand pump 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 Multitubular Boiler with 3 furnaces fore and aft and no superheating apparatus*

BOILER, maker of *John Readhead & Co*  
 „ age of *New*  
 „ when last taken out \_\_\_\_\_  
 „ present condition *Good*  
 „ working pressure *65 lbs*  
 No. of surface Blow off Cocks to each Boiler } *two*

Can each Boiler be used separately *one only*  
 What clear space between top of Boiler and woodwork } *3 feet all round*  
 What clear space between Funnel and woodwork } *3 feet " " "*  
 Are Engine and Boiler Keelsons well connected fore and aft } *yes*

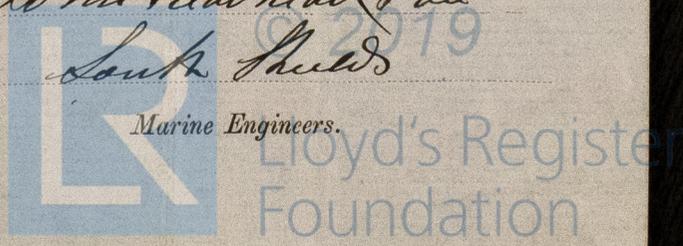
SCREW SHAFT length *46 ft* diameter *8"* Tunnel thickness of plating *7/16* height *4 ft*  
 width *3 1/2* if water-tight door on Engine Bulkhead. *yes*

Port *South Shields* 20th day of *March* 18 *94*

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Marianne Briggs* belonging to *Maritime Coal & Shipping Co* whereof *R. Hamilton* is Master, *344 1/2* Tons Register, and *80* H.P. have been carefully inspected and examined by *us* at *South Shields* and *we* found the same, at this date, in good order and safe working condition.

*John Readhead & Co*  
*South Shields*

Marine Engineers.



IRON 1456-0457