

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 *23½ 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) *10½ ft*
 Pitch of Screw *16 ft*
 No. of Blades (or Floats) *four*
 Description of Screw (or Floats) *ordinary*
 Holding down Bolts, size *1½"*
 „ 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 forward 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 fired from forward
 no superheating apparatus*

BOILER, maker of *John Readhead & Co*
 „ age of *New*
 „ when last taken out
 „ present condition *Good*
 „ working pressure *66 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 *3½* 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 *Markham & Co. L. & Co. Ltd* whereof *R. Hamilton* is Master, *344 2/3* 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