

1102 H. Iron Ship

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 two inverted cylinders

ENGINES, maker of *Messrs Redhead & Co*
 „ age of *15 months*
 „ last time taken out
 „ present condition *Good*
 Diameter of Cylinder *49 in. & 25 in.*
 Length of stroke *2 ft. 8 in.*
 No. per minute of Engines *60*
 „ of Screw *60*
 Estimated power *98 horse*
 Effective power
 Diameter of Screw (or Paddle Wheels) *15 ft.*
 Pitch of Screw *16 ft.*
 No. of Blades (or Floats) *Four*
 Description of Screw (or Floats) *Shipping blades*
 Holding down Bolts, size *1 1/4 in.*
 „ present condition *good*

Bilge Pumps, No. (*2*) and size *8" x 3 1/2"*
 Feed „ No. (*2*) and size *3 1/2"*
 Spare gear, if usual quantity on board Vessel *usual quantity*
 Fuel, where stowed *Bunkers*
 „ space between Coal Bunkers and Boilers *8 inches*
 „ for what quantity is space provided *100 tons*
 Donkey Engine and Boiler *3 donkey & 1 donkey boiler*
 „ if fitted in Engine Room or on Deck *Boiler & 1 donkey on deck*
 „ can pump be worked by hand *two by hand*
 „ size of pump (*4 3/8*) and stroke *2' 9" & one 11 inches*
 „ 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 *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.

Circular, tubular, 3 furnaces, Superheating apparatus fired from aft as after end of boiler.

BOILER, maker of *Messrs Redhead & Co*
 „ age of *15 months*
 „ when last taken out
 „ present condition *Good*
 „ working pressure *60 lb.*
 No. of surface Blow off Cocks to each Boiler *Two*

Can each Boiler be used separately
 What clear space between top of Boiler and woodwork *4 ft.*
 What clear space between Funnel and woodwork *18 inches*
 Are Engine and Boiler Keelsons well connected fore and aft *yes.*

SCREW SHAFT length *92 ft* diameter *8 1/2* Tunnel, thickness of plating *1/4"* height *4' 8"*
 width *3' 6"* if water-tight door on Engine Bulkhead. *yes.*

Port *London 28th day of December 1872*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Holmside* belonging to *London* whereof *W. Dryden* is Master, *771* Tons Register, and *98* H.P. have been carefully inspected and examined by us at *Victoria Graving Docks* and we found the same, at this date, in good order and safe working condition.

Wm. Brothers
Victoria Graving Docks
 Marine Engineers.

All business
Communications to be
addressed to Jones Brothers
at the Docks.

Victoria Graving Docks.
Victoria Docks, London, E.

28th January 1873

London Office, 27, Leadenhall Street, E.C.

(The Victoria Graving Dock Company Limited.)

M. H. Turner Esq.

Dear Sir,

The enclosed certificate
for "Holmside" was duly made
up on completion of her repairs,
but it having been mislaid,
we regret that it has not
been forwarded before.

Yours truly,

Jones Brothers
J. W. Johnson

IRON453-0144



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Lloyd's Register
Foundation

Received of the Victoria Graving Docks
28th January 1873