

Report No. 3299

12687 Ton

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, No. of Cylinders, Two.ENGINES, maker of *Thos. Richardson & Sons*~~Age of~~~~last time taken out~~,, present condition *new*Diameter of Cylinders *25" & 48"*Length of stroke *30*No. per minute of Engines *70*,, of Screw *70*Estimated power *90*Effective power *400*Diameter of Screw (or Paddle Wheels) *11" 4"*

Pitch of Screw

No. of Blades (or Floats) *4*Description of Screw (or Floats) *ordinary*Holding down Bolts, size *1 1/4" Dia.*,, present condition *new*Bilge Pumps, No. (*one*) and size *3 1/4" Dia. & 22 1/4" Stroke*Feed ,, No. (*"*) and size *" " "*Spare gear, if usual quantity on } *yes.*
board VesselFuel, where stowed *Side Bunkers*,, space between Coal Bunkers } *9"*
and Boilers

,, for what quantity is space provided

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 (*4 1/2"*) and stroke *9" Double acting*,, is hose of sufficient length to } *yes.*
reach every part of the VesselNo. (*one*) and continuation of hand } *Fitted in the engine room*
pumps, if fitted in Engine RoomBOILER.—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, No
Superheater & Fired at After endBOILER, maker of *Thos. Richardson & Sons*~~Age of~~~~when last taken out~~,, present condition *new*,, working pressure *70 lbs. H.P. sq. inch.*No. of surface Blow off Cocks to } *one surface & one bottom*
each BoilerSCREW SHAFT length *64" 0"* diameter *4 1/2" & 8"* Tunnel thickness of platingwidth *3" 1"* if water-tight door on Engine Bulkhead. *yes.*Can each Boiler be used separately *Single Boiler*What clear space between top of } *1' 6"*
Boiler and woodworkWhat clear space between Funnel } *1' 3"*
and woodworkAre Engine and Boiler Keelsons } *yes*
well connected fore and aftheight *4" 0"*Port *Hartlepool* *6th* day of *May* 18*94*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or ~~Wood~~)
Screw (or ~~Paddle~~) Steam Vessel *"Gazelle"* belonging to
whereof *is* Master, *Tons Register, and 90 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
J. C. Smith
Marine Engineers.

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Foundation