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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.

Engines. Comp^d & Surface Condensing. Inverted and direct acting

ENGINES, maker of *Geo Clark*
 „ age of *New*
 „ last time taken out
 „ present condition
 Diameter of Cylinder *22 1/2 & 42*
 Length of stroke *3 1/2*
 No. per minute of Engines *65 & 70*
 „ of Screw
 Estimated power *40 HP*
 Effective power *at 300 HP*
 Diameter of Screw (or Paddle Wheels)
 Pitch of Screw
 No. of Blades (or Floats) *3*
 Description of Screw (or Floats) *Common*
 Holding down Bolts, size *1 1/2*
 „ present condition *New*

Bilge Pumps, No. (*2*) and size *3 3/4* *Disin*
 Feed „ No. (*2*) and size *3 3/4*
 Spare gear, if usual quantity on board Vessel
 Fuel, where stowed *In Bunkers each side of engine room*
 „ space between Coal Bunkers and Boilers *12*
 „ for what quantity is space provided
 2 Donkey Engines and Boilers *Yes*
 „ if fitted in Engine Room or on Deck *Engine Room*
 „ can pump be worked by hand *One by hand & both by steam*
 „ size of pump *3 1/2 & 4 1/2* and stroke *8 & 6* *Respectively*
 „ is hose of sufficient length to reach every part of the Vessel *Yes*
 No. () and continuation of hand pumps, if 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 Boiler of the Multitubular description with 3 furnaces & fired from aft end

BOILER, maker of *Geo Clark*
 „ age of *New*
 „ when last taken out
 „ present condition *New*
 „ working pressure *70 lbs*
 No. of surface Blow off Cocks to each Boiler *One surface & one Blow*

Can each Boiler be used separately
 What clear space between top of Boiler and woodwork *3.6 then i sup*
 What clear space between Funnel and woodwork *after work with above the boiler - no work with new*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

Screw Shaft length *65.10* diameter *8 1/2 to 1 1/2* Tunnel thickness of plating height
 width if water-tight door on Engine Bulkhead *Yes*

Port *Sunderland* 11th day of *May* 18th *74*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Kelbe* belonging to *J. D. Hill* whereof *is* Master, Tons Register, and H.P. have been carefully inspected and examined by *me* at *Sunderland* and *I* found the same, at this date, in good order and safe working condition.

Alfred Gray
Marine Engineer
 Lloyd's Register Foundation