

10913 Iron

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.

Direct acting Inverted Cylinder Engines
Two Cylinders

ENGINES, maker of William King & Co
,, age of New
,, last time taken out —
,, present condition New
Diameter of Cylinder 15 inches
Length of stroke 16 inches
No. per minute of Engines 100
,, of Screw 100
Estimated power 20 H.P.
Effective power 70 H.P.
Diameter of Screw (or ~~Paddle~~ ~~Wheels~~) 7 feet
Pitch of Screw 8 1/6 inches
No. of Blades (or ~~Floats~~) Three
Description of Screw (or ~~Floats~~) Common
Holding down Bolts, size 1"
,, present condition New

Bilge Pumps, No. (1) and size 1 7/8"
Feed ,, No. (1) and size 1 7/8"
Spare gear, if usual quantity on } Yes
board Vessel }
Fuel, where stowed Bunkers
,, space between Coal Bunkers } 8"
and Boilers }
,, for what quantity is space provided 20 tons
Donkey Engine ~~1 Boiler~~ Yes
,, if fitted in Engine Room or } Engine Room
on Deck }
,, can pump be worked by hand Yes.
,, size of pump (1 7/8" and stroke 1 1/2"
,, is hose of sufficient length to } Yes
reach every part of the Vessel }
No. (1) and continuation of hand } One
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 force, or after end of Boiler, &c.

One Horizontal tubular boiler with two furnaces
fired forward

BOILER, maker of William King & Co
,, age of New
,, when last taken out —
,, present condition New
,, working pressure 30 lb
No. of surface Blow off Cocks to } One
each Boiler }

Can each Boiler be used separately —
What clear space between top of } all iron
Boiler and woodwork }
What clear space between Funnel } all iron
and woodwork }
Are Engine and Boiler Keelsons } Yes
well connected fore and aft }

SCREW SHAFT length 13.6 diameter 4 1/2 Tunnel, thickness of plating — height —
width — if water-tight door on Engine Bulkhead. —

Port Glasgow 13th day of December 18 72

Me hereby certify, that the whole of the above Machinery and Boilers of the Iron (or ~~Wood~~)
Screw (or ~~Paddle~~) Steam Vessel Namagua belonging to Mr Jameson & Co
whereof C. Gibson is Master, 45.63 Tons Register, and 20 H.P. have been
carefully inspected and examined by us at Glasgow and we found the
same, at this date, in good order and safe working condition.

William King & Co
Doer Engine Works Glasgow
Marine Engineers.