

10352 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

R3717

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.

2 Direct acting inverted Cylinders.

ENGINES, maker of *London & Glasgow Engineering Co.*
 „ age of *7 years.*
 „ last time taken out
 „ present condition *good*
 Diameter of Cylinder *36 inches*
 Length of stroke *30*
 No. per minute of Engines *64*
 „ of Screw
 Estimated power *90 H.P.*
 Effective power *200*
 Diameter of Screw (or Paddle Wheels) *11 feet*
 Pitch of Screw *14*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *Ordinary*
 Holding down Bolts, size *1 1/4 in.*
 „ present condition *good*

Bilge Pumps, No. (*2*) and size *4 in.*
 Feed „ No. (*2*) and size *4 in.*
 Spare gear, if usual quantity on board Vessel *Yes.*
 Fuel, where stowed *in side bunkers.*
 „ space between Coal Bunkers and Boilers *2 feet*
 „ for what quantity is space provided *140 tons.*
 Donkey Engine and Boiler *One*
 „ if fitted in Engine Room or on Deck *Engine room.*
 „ can pump be worked by hand *Yes.*
 „ size of pump (*5 in.*) and stroke *9 in.*
 „ 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 at Steamships, or from force, or after end of Boiler, &c.

One tubular superheating boiler, four furnaces, fire forward.

LER, maker of *Reps. Hodge Millwall*
 „ age of *New*
 „ when last taken out
 „ present condition *Good*
 „ working pressure *20 lbs.*
 No. of surface Blow off Cocks to each Boiler *One*

Can each Boiler be used separately
 What clear space between top of Boiler and woodwork *4 feet*
 What clear space between Funnel and woodwork *2 feet*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes.*

SCREW SHAFT length *20 ft.* diameter *4 in.* Tunnel, thickness of plating — height —
 width — if water-tight door on Engine Bulkhead.

Port

London

day of

July

1872

I hereby certify, that the whole of the above Machinery and Boilers of the Iron or Wood

new for Steam Vessel

Hawthorn

belonging to

General Iron Works Co.

whereof

Walker

is Master,

708 Tons Register, and

90

H.P. have been

carefully inspected and examined by me at Commercial St. and found the same, at this date, in good order and safe working condition.