

11831 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 diagonal. Two cylinders
set condensers.*

ENGINES, maker of *G. W. Barle*
 „ age of *Seventeen years*
 „ last time taken out *Overhauled in May 1873*
 „ present condition *good*
 Diameter of Cylinder *37 1/4 Inches*
 Length of stroke *30.9 inches*
 No. per minute of Engines *Sixty six*
 „ of Screw *Sixty six*
 Estimated power *97 H.P.*
 Effective power *390 H.P.*
 Diameter of Screw (~~or Paddle Wheels~~) *10 Feet*
 Pitch of Screw *19 ft 6 in*
 No. of Blades (~~or Floats~~) *Four*
 Description of Screw (~~or Floats~~) *Cast Iron (New 1873)*
 Holding down Bolts, size *2 3/4 inches diam.*
 „ present condition *Good*

Bilge Pumps, No. (*Two*) and size *4 1/8 dia*
 Feed „ No. (*Two*) and size *3 5/8 dia*
 Spare gear, if usual quantity on } *None on board*
 board Vessel
 Fuel, where stowed *In bunkers & on decks*
 „ space between Coal Bunkers } *6 ft 6 inches*
 and Boilers
 „ for what quantity is space provided *30 tons in bunkers 20 tons on deck*
 Donkey Engine and Boiler *New in May 1873*
 „ if fitted in Engine Room or } *On deck*
 on Deck
 „ can pump be worked by hand *Yes*
 „ size of pump (*5 dia*) and stroke *7 inches*
 „ is hose of sufficient length to } *Yes*
 reach every part of the Vessel
 No. (*One*) and continuation of hand } *In connection with Donkey*
 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.

*Two single ended tubular boilers with two furnaces each
fired from after end. One superheater to the two boilers.*

BOILERS maker of *Barle's Shipbuilding & Engineering Co*
 „ age of *New in May 1873*
 „ when last taken out
 „ present condition *good*
 „ working pressure *30 lbs. per sq. inch*
 No. of surface Blow off Cocks to } *One on boiler*
 each Boiler } *and one on ship bottom*

Can each Boiler be used separately *Yes*
 What clear space between top of } *Four feet*
 Boiler and woodwork
 What clear space between Funnel } *Seven inches*
 and woodwork
 Are Engine and Boiler Keelsons } *Solid*
 well connected fore and aft }

SCREW SHAFT length diameter *9 inches*. Tunnel, thickness of plating *1/4 inch* height *Four feet 3 1/2 inches*
 width *2 ft 6 in* if water-tight door on Engine Bulkhead. *no.*

Port of Hull *13th* day of August 1873

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Albert* belonging to *George Sauson & Co* whereof *Hendry* is Master, *304* Tons Register, and *97* H.P. have been carefully inspected and examined by *us* at *Hull* and found the same, at this date, in good order and safe working condition.

Geo. Sauson & Co
Thos. H. Lee Manager
 Marine Engineers Engine Works
15/8/73