

18144922

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: *Rec 12/4/99*

ENGINES.—Here state description of Engines, whether Direct Acting or Geared, Inverted, Horizontal, Diagonal, or Oscillating Cylinders No. of Cylinders, &c.

Compound, inverted, direct acting, 2 cylindrical engine

ENGINES, maker of *J. Jack, Rollo & Co*
 „ age of *1873 made*
 „ last time taken out *Never*
 „ present condition *Good*
 Diameter of Cylinder *40" & 40"*
 Length of stroke *36"*
 No. per minute of Engines *63*
 „ of Screw *"*
 Estimated power *274 H.P.*
 Effective power *1007.5 H.P.*
 Diameter of Screw (or Paddle Wheels) *15.2"*
 Pitch of Screw *19 1/2"*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *Cast iron fixed blades*
 Holding down Bolts, size *1 1/2" dia.*
 „ present condition *Good*

Bilge Pumps, No. (*2*) and size *5 1/2" x 1-6" stroke*
 Feed „ No. (*2*) and size *4 1/2" x 1-6" stroke*
 Spare gear, if usual quantity on board Vessel *Usual quantity*
 Fuel, where stowed *Midship & Forward*
 „ space between Coal Bunkers and Boilers *8"*
 „ for what quantity is space provided *1020*
 Donkey Engine and Boiler *Yes*
 „ if fitted in Engine Room or on Deck *Boiler on deck*
 „ can pump be worked by hand *Yes*
 „ size of pump () and stroke *15" dia x 9" stroke*
 „ is hose of sufficient length to reach every part of the Vessel *Yes*
 No. () and continuation of hand pumps, if fitted in Engine Room *Gunton suction from deck to engine room bilge and pump in engine room with suction & discharge same as*

BOILER.—Here state description of Boiler, and No.; if Tubular, or Flues; No. of Furnaces; if fitted with superheating apparatus; if Fired donkey, athwartships, or from fore, or after end of Boiler, &c.

2 Double ended circular boilers, tubular, 8 total furnaces, fitted with superheating apparatus, fired from fore & after.

BOILER, maker of *J. Jack, Rollo & Co*
 „ age of *1873 made*
 „ when last taken out *Never*
 „ present condition *Good*
 „ working pressure *60 lbs*
 No. of surface Blow off Cocks to each Boiler *180 each boiler*

Can each Boiler be used separately *Yes*
 What clear space between top of Boiler and woodwork *Open to iron top of stokehole coaming.*
 What clear space between Funnel and woodwork *3-6" between funnel & deck, through which it passes.*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *96"* diameter *11-10 1/2"* Tunnel thickness of plating *7/16"* height *5'-9"*
 width *4'-0"* if water-tight door on Engine Bulkhead *Yes*

From aft bulkhead to aft coupling of crankshaft.

Port *Southampton* 26th day of *March* 18⁷⁷

hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or~~ Wood) Screw (~~Paddle~~) Steam Vessel "*Asiatic*" belonging to *Union S.S. Company* whereof *E. Manning* is Master, Tons Register, and *274* H.P. have been carefully inspected and examined by *me* at *Southampton* and *I* found the same, at this date, in good order and safe working condition.

Archd Thomson
 Supt Engineer

Marine Engineers.



Lloyd's Register
 Foundation