

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, maker of *John Stewart*
 „ age of *ten*
 „ last time taken out *—*
 „ present condition *—*
 Diameter of Cylinders *24" & 42"*
 Length of stroke *30 inches*
 No. per minute of Engines *70*
 „ of Screw *70*
 Estimated power *80 H.P.*
 Effective power *320*
 Diameter of Screw (or Paddle Wheel) *10' 0"*
 Pitch of Screw *18' 6" to 15' 6"*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *varying pitch*
 Holding down Bolts, size *1 5/8 inches*
 „ present condition *ten*

100888
 Large Pumps, No. (*2*) and size *4 1/2"*
 Feed „ No. (*2*) and size *4 1/2"*
 Spare gear, if usual quantity on board Vessel *Yes*
 Fuel, where stowed *Cross Bunkers & Partly alongside*
 „ space between Coal Bunkers and Boilers *Upper side of Boilers*
 „ for what quantity is space provided *160*
 Donkey Engine and Boiler *Yes*
 „ if fitted in Engine Room or on Deck *Stoke hole*
 „ can pump be worked by hand *Yes*
 „ size of pump (*5*) and stroke *6 inches*
 „ is hose of sufficient length to reach every part of the Vessel *Yes*
 No. (*2*) and continuation of hand pumps, if fitted in Engine Room *Donkey fitted in Engine Room for main Boilers only*

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 Cylindrical Tubular Boilers, two furnaces in each, No Superheating Apparatus, Fired from fore end of Boiler

BOILER, maker of *John Stewart*
 „ age of *ten*
 „ when last taken out *—*
 „ present condition *—*
 „ working pressure *60 lbs*
 No. of surface Blow off Cocks to each Boiler *One to each*

Can each Boiler be used separately *Yes*
 What clear space between top of Boiler and woodwork *7 feet*
 What clear space between Funnel and woodwork *18 inches*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *19 ft* diameter *7 3/4"* Tunnel, thickness of plating *not* height *any funnel*
 width *—* if water-tight door on Engine Bulkhead *Yes*

Port *London* 19th day of *April* 1872

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Basingstoke* belonging to *Southampton* whereof *Capt. Orme* is Master, *441* Tons Register, and *80* H.P. have been carefully inspected and examined by *at (Stew.)* and found the same, at this date, in good order and safe working condition.

John Stewart

Marine Engineers.