

12830 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.

*Compound high & low pressure with surface condenser -
direct acting - inverted cylinders -*

ENGINES, maker of *John Scott & Sons*
 „ age of *New*
 „ last time taken out *just put in*
 „ present condition *good*
 Diameter of Cylinders *30 & 55 inches*
 Length of stroke *3 feet*
 No. per minute of Engines *60*
 „ of Screw *60*
 Estimated power *130 H.P.*
 Effective power
 Diameter of Screw (or Paddle Wheels) *14 feet*
 Pitch of Screw *16 1/2 feet*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *Prop with separate blades*
 Holding down Bolts, size *3 inches*
 „ present condition *New*

Bilge Pumps, No. (*2*) and size *4 inches*
 Feed „ No. (*2*) and size *3 1/2*
 Spare gear, if usual quantity on board Vessel *yes*
 Fuel, where stowed *Bunkers*
 „ space between Coal Bunkers and Boilers *narrowest place 12"*
 „ for what quantity is space provided *250 tons*
 Donkey Engine and Boiler *yes*
 „ if fitted in Engine Room or on Deck *Engine Room*
 „ can pump be worked by hand *yes*
 „ size of pump (*3 1/2*) and stroke *16" double action*
 „ is hose of sufficient length to reach every part of the Vessel *yes*
 No. (*3*) and continuation of hand pumps, if fitted in Engine Room *one 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.

*2 Boilers - Multitubular - 2 furnaces to each - no superheating
apparatus - fired from fore end -*

BOILERS maker of *John Scott & Sons*
 „ age of *New*
 „ when last taken out *just put in*
 „ present condition *good*
 „ working pressure *60 lbs*
 No. of surface Blow off Cocks to each Boiler *one*

Can each Boiler be used separately *yes*
 What clear space between top of Boiler and woodwork *no wood work*
 What clear space between Funnel and woodwork *no*
 Are Engine and Boiler Keelsons well connected fore and aft *yes*

SCREW SHAFT length *83.4* diameter *9 1/4"* Tunnel thickness of plating *1/4"* height *4 feet*
 width *3.8"* if water-tight door on Engine Bulkhead. *yes*

Port *Swerkeithing* 6 day of *June* 18 *74*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)
 Screw (or Paddle) Steam Vessel *"King Arthur"* belonging to *London*
 whereof *is Master, 1047.49 Tons Register, and 130 H.P.* have been
 carefully inspected and examined by *us* at *Swerkeithing* and *we* found the
 same, at this date, in good order and safe working condition.

John Scott & Sons
Swerkeithing
 Marine Engineers.

