

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 - Compound High Flow with surface
Condenser -*

ENGINES, maker of *John Scott & Sons*
,, age of *New*
,, last time taken out *just put in*
,, present condition *good*
Diameter of Cylinders *27½ & 48½ inches*
Length of stroke *3 feet*
No. per minute of Engines *70*
,, of Screw *70*
Estimated power *99*
Effective power
Diameter of Screw (or Paddle Wheels) *12½ feet*
Pitch of Screw *16 feet*
No. of Blades (or Flutes) *4*
,, (or Flutes) *long blades*
,, *2½*
,, *good*

Bilge Pumps, No. (*2*) and size *4 inches*
Feed ,, No. (*2*) and size *4½*
Spare gear, if usual quantity on board Vessel *yes*
Fuel, where stowed *Bunkers*
,, space between Coal Bunkers and Boilers *9 inches*
,, for what quantity is space provided *Circumstances may require 110, 243, or 448 tons as*
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*) and stroke *6 in*
,, is hose of sufficient length to reach every part of the Vessel *yes*
No. (*1*) and continuation of hand pumps, if fitted in Engine Room *yes*

BOILERS.—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 in number - Multitubular - 2 furnaces in each - No. 1
superheating apparatus - fired from fore end - Length 10.3
Width 9 feet - Height 15¼ feet -*

BOILERS, maker of *John Scott & Sons*
,, age of *New*
,, when last taken out *just put in*
,, present condition *good*
,, working pressure *70 lbs*
No. of surface Blow off Cocks to each Boiler *one of each port*

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 *9 inches*
Are Engine and Boiler Keelsons well connected fore and aft *yes*

SCREW SHAFT length *79.4½* diameter *9"* Tunnel thickness of plating *3/8* height *4½ feet*
width *3½ feet* if water-tight door on Engine Bulkhead. *yes*

Port *Amoy*, 19 day of *October* 1876

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)
Screw (or Paddle) Steam Vessel *Xaigon* belonging to *Scott*
whereof *G. St. Bawn* is Master, *493.26* Tons Register, and *98* H.P. have been
carefully inspected and examined by us at *Amoy* and we found the
same, at this date, in good order and safe working condition.

John Scott & Sons
Amoy