

11586. 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.

Inverted Direct Acting Compound Engines with Surface Condenser

ENGINES, maker of Martin Samuelson Hull Bilge Pumps, No. ( 2 ) and size 5" dia
,, age of new Feed ,, No. ( 2 ) and size 5" dia
,, last time taken out
,, present condition New Spare gear, if usual quantity on board Vessel usual supply
Diameter of Cylinder 24" and 44" Fuel, where stowed Side of Boiler. Fore + Aft
Length of stroke 30" ,, space between Coal Bunkers and Boilers 9"
No. per minute of Engines 65 per minute ,, for what quantity is space provided about 180 tons
,, of Screw Estimated power 90 H.P. Donkey Engine and Boiler Yes
Effective power 320 H.P. ,, if fitted in Engine Room or on Deck Boiler on Deck
Diameter of Screw (or Paddle Wheel) 12 feet ,, can pump be worked by hand Yes
Pitch of Screw 16' 0" ,, size of pump ( 5" ) and stroke 4' Double Acting
No. of Blades (or Vanes) 4 ,, is hose of sufficient length to reach every part of the Vessel Yes
Description of Screw (or Flows) Loose Blades
Holding down Bolts, size 1 1/2 dia
,, present condition New No. ( ) and continuation of hand 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.

The Boiler of the Multitubular Principal with 3 Furnaces and Fired at the Fore End

BOILER, maker of Martin Samuelson Hull Can each Boiler be used separately
,, age of new What clear space between top of Boiler and woodwork 3 feet
,, when last taken out
,, present condition New What clear space between Funnel and woodwork 2 feet
,, working pressure about 65 lbs Are Engine and Boiler Keelsons well connected fore and aft Yes
No. of surface Blow off Cocks to each Boiler one
SCREW SHAFT length 42' 0" diameter 4" Tunnel thickness of plating 3/16" height 5' 0"
width 4' 0" if water-tight door on Engine Bulkhead. Yes

Port Sunderland 4th day of August 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel Almeria belonging to James Hunter whereof is Master, Tons Register, and 90 H.P. have been carefully inspected and examined by us at Sunderland and we found the same, at this date, in good order and safe working condition.

Osbourne Graham & Co James Hutchison Marine Engineer

