

25987 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

Rec 12/1/80

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

Compound, Inverted, Direct Acting, Two (2) Cyls.

ENGINES, maker of Blackwood & Gordon S. Glasgow. Bilge Pumps, No. ( 2 ) and size 3 1/4"
,, age of Built November 1877. Feed ,, No. ( 2 ) and size 3 1/4"
,, last time taken out Good Spare gear, if usual quantity on board Vessel Yes
,, present condition Good Fuel, where stowed Stowed in front of Boiler
Diameter of Cylinder 26" & 46" ,, space between Coal Bunkers and Boilers 7 feet
Length of stroke 24 1/2" ,, for what quantity is space provided 50 tons.
No. per minute of Engines 75 Donkey Engine and Boiler
,, of Screw One On main Deck
Estimated power 95 HP ,, if fitted in Engine Room or on Deck No
Effective power 560 ,, can pump be worked by hand No
Diameter of Screw (or Paddle Wheels) 10:6" ,, size of pump ( 4" ) and stroke 8"
Pitch of Screw 17:6" ,, is hose of sufficient length to reach every part of the Vessel Yes
No. of Blades (or Floats) Four Description of Screw (or Floats) Griffiths.
Holding down Bolts, size 1 1/4" No. ( 1 ) and continuation of hand pumps, if fitted in Engine Room fitted in Engine Room
,, present condition Good.

BOILER.—Here state description of Boiler, and No.; if Tubular, or Flues; No. of Furnaces; if fitted with superheating apparatus; if Fired

Two Circular Multitubular, Two furnaces in each boiler; Fire fore and aft

BOILER, maker of Blackwood & Gordon S. Glasgow. Can each Boiler be used separately Yes
,, age of Built November 1877 What clear space between top of Boiler and woodwork 1 foot, Iron main deck
,, when last taken out Good What clear space between Funnel and woodwork 3:6"
,, present condition Good Are Engine and Boiler Keelsons well connected fore and aft Yes
,, working pressure 65 lbs. No. of surface Blow off Cocks to each Boiler One
SCREW SHAFT length 25:6" diameter 8 1/2 Tunnel thickness of plating 5/16" height 5 feet
width 4 feet if water-tight door on Engine Bulkhead. Yes

Port Adelaide, Twelfth day of November 1879.

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Emu" belonging to South Australian Steamship Co.
whereof Robert W. Osborne is Master, 39 1/2 Tons Register, and 95 H.P. have been carefully inspected and examined by us at Adelaide and we found the same, at this date, in good order and safe working condition.

James McCulloch, Engineer, Surveyor Marine Board South Australia.
Alexander Gray, Chief Engineer Marine Engineers.

The engine boilers of this vessel  
have been inspected in Novr last  
and are reported by the Engineer  
Surveyor to the Marine Board  
of Australia to be in good  
working order.

It is submitted that  
the vessel is eligible to  
remain as classed.

MP  
13-1-80



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