

11305 Lm

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 inverted direct acting engines
with two Cylinders—

ENGINES, maker of Barclay Curle & Co
 „ age of new
 „ last time taken out —
 „ present condition new
 Diameter of Cylinder 45" & 78 in
 Length of stroke 48 in
 No. per minute of Engines 60
 „ of Screw 60
 Estimated power 310
 „ power 1700
 „ of Screw (or Paddle Wheels) 17' 3"
 Pitch of Screw 22 to 24 ft
 No. of Blades (or Floats) 4
 Description of Screw (or Floats) Common
 Binding down Bolts, size 1 1/2"
 „ present condition new

Bilge Pumps, No. (2) and size 5 1/2 in
 Feed „ No. (2) and size 5 1/2 in
 Spare gear, if usual quantity on board Vessel yes
 Fuel, where stowed in Side & Cross bunkers
 „ space between Coal Bunkers and Boilers 14"
 „ for what quantity is space provided 480 tons
 Donkey Engine and Boiler yes
 „ if fitted in Engine Room or on Deck Boiler in Stokesholm Donkey in Engine room
 „ can pump be worked by hand no
 „ size of pump (6) and stroke 12 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

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.

4 Round return tubular boilers, with 3 furnaces
in each, fitted with superheater and fired athwartships—

BOILER, maker of Barclay Curle & Co
 „ age of new
 „ when last taken out —
 „ present condition new
 „ working pressure 60 lbs
 No. of surface Blow off Cocks to each Boiler 1

Can each Boiler be used separately yes
 What clear space between top of Boiler and woodwork 4 ft
 What clear space between Funnel and woodwork 3 ft 3 in
 Are Engine and Boiler Keelsons well connected fore and aft yes

SCREW SHAFT length 105 ft diameter 12 3/4 Tunnel, thickness of plating 5/16" height 5' 8"
 width 4' 3" if water-tight door on Engine Bulkhead no

Port of Glasgow 29th day of April 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Zambesi" belonging to Peninsular & Oriental S. S. Co whereof Cates is Master, 1545 tons Tons Register, and 310 H.P. have been carefully inspected and examined by us at Glasgow and have found the same, at this date, in good order and safe working condition.

Barclay Curle & Co

Marine Engineers.

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