

10506

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.

The Engines are inverted directacting, and now fitted with surface condenser, & arranged to work on the compound principle, having one high & one low pressure Cylinder.

ENGINES, maker of R. & W. Hawthorn Newcastle Bilge Pumps, No. ( 2 ) and size 4 diam 18 stroke
,, age of Built 1866 Feed ,, No. ( 2 ) and size 4 - 18
,, last time taken out Not taken out 1872 Spare gear, if usual quantity on board Vessel yes.
,, present condition In thorough repair Fuel, where stowed In side bunkers
Diameter of Cylinder 25 & 43 ,, space between Coal Bunkers and Boilers 10
Length of stroke 30 ,, for what quantity is space provided 90 tons
No. per minute of Engines 70 revs Donkey Engine and Boiler Are both provided
,, of Screw 70 ,, if fitted in Engine Room or on Deck Donkey in Engine Room, Boiler on Deck.
Estimated power 140 HP nom ,, can pump be worked by hand yes
Effective power 400 76P indicate ,, size of pump ( ) and stroke Also a Ballast donkey in Engine room
Diameter of Screw (Paddle Wheels) Pitch of Screw
No. of Blades (or Floats) 4
Description of Screw (Floats) fixed blades.
Holding down Bolts, size
,, 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 athwartships, or from fore, or after end of Boiler, &c.

Two cylindrical tubular Boilers with four circular Furnaces, dry uptake and an annular vertical Superheater above uptake round base of Funnel. The Boilers are fired from their forward ends.

BOILER, maker of Palmers Shipbuilding & Iron Co. Ltd age of when last taken out present condition working pressure 75 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 11.0
What clear space between Funnel and woodwork 1.6
Are Engine and Boiler Keelsons well connected fore and aft yes.

CREW SHAFT length diameter Tunnel, thickness of plating height width if water-tight door on Engine Bulkhead.

Port Newcastle on Tyne 16th day of August 1872

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Steam Vessel "Palmyra" belonging to London is Master, 706.00 Tons Register, and 140 H.P. have been fully inspected and examined by us at Farrow on Tyne and we found the same, at this date, in good order and safe working condition.

Palmers Shipbuilding & Iron Co. Ltd Marine Engineers