

14247Lm

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 Surface Condensing Screw Engines

ENGINES, maker of Thompson & Co
age of
last time taken out 1875
present condition New cylinders & general repairs
Diameter of Cylinders 48 & 25
Length of stroke 30
No. per minute of Engines 65
of Screw 65
Estimated power 90
Effective power 400
Diameter of Screw 12.0
Pitch of Screw 16.5 to 19.5 at box 12.0
No. of Blades 3
Description of Screw Right Handed
Holding down Bolts, size 2 dia
present condition Good

Bilge Pumps, No. (2) and size 1 1/4 dia
Feed No. (2) and size 5 dia
Spare gear, if usual quantity on board Vessel Yes
Fuel, where stowed sides of engine room & cross bunker
space between Coal Bunkers and Boilers 2.0
for what quantity is space provided 90 Tons.
Donkey Engine and Boiler yes
if fitted in Engine Room or on Deck engine room boiler on deck
can pump be worked by hand yes
size of pump (10) and stroke 8
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

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.

1 cylindrical multitubular Boiler 3 Furnaces no superheating apparatus fired from after end of boiler

BOILER, maker of Thompson & Co
age of New
when last taken out
present condition New
working pressure 65
No. of surface Blow off Cocks to each Boiler 1

Can each Boiler be used separately one boiler
What clear space between top of Boiler and woodwork 2 feet
What clear space between Funnel and woodwork 2 feet
Are Engine and Boiler Keelsons well connected fore and aft Yes

SCREW SHAFT length 61 diameter 8 1/2 Tunnel thickness of plating height
width if water-tight door on Engine Bulkhead

Newcastle
Port Newcastle day of April 1875

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (Wood) Screw (Paddle) Steam Vessel "Valdemar" belonging to Copenhagen whereof Hansen is Master, 439 Tons Register, and 90 H.P. have been carefully inspected and examined by us at Newcastle and we found the same, at this date, in good order and safe working condition.

Thompson & Co
Marine Engineers.



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