

Report No 2972

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, Direct Acting, Inverted Cylinders, & Surface Condensing Engines, No. of Cylinders Two.

ENGINES, maker of Jno Richardson & Sons
age of
last time taken out
present condition New
Diameter of Cylinders 24 & 50
Length of stroke 33
No. per minute of Engines 40 (seventy)
of Screw 40 (seventy)
Estimated power 98
Effective power 450
Diameter of Screw (or Paddle Wheels) 11 & 6
Pitch of Screw 15 & 9
No. of Blades (or Floats) 4
Description of Screw (or Floats) Ordinary Screw
Holding down Bolts, size 1 1/4
present condition New

Bilge Pumps, No. (Two) and size 6" diam & 6" stroke
Feed ,, No. () and size 3" " & 2 1/2"
Spare gear, if usual quantity on board Vessel yes
Fuel, where stowed Side Bunkers
space between Coal Bunkers and Boilers
for what quantity is space provided 13 1/2 Tons
Donkey Engine and Boiler on Deck
if fitted in Engine Room or on Deck In Engine Room
can pump be worked by hand No, A Separate Hand Pump
size of pump (1 1/2" & 1 1/2") and stroke 9" Double Acting
is hose of sufficient length to reach every part of the Vessel yes
No. (one) and continuation of hand pumps, if fitted in Engine Room Hand Pump fitted in Engine Room from 4 1/4" diam & 10" stroke

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.

Cylindrical Boiler, Tubular, Four Furnaces, No Superheater & Fired Fore & Aft.

BOILER, maker of Jno Richardson & Sons
age of
when last taken out
present condition New
working pressure 65 lbs per sq inch
No. of surface Blow off Cocks to each Boiler One Surface & one Bottom
SCREW SHAFT length 84 & 9 diameter 8 & 8 1/2 Tunnel, thickness of plating 1/4 & 3/8 height 4 & 6
width 3 & 9 if water-tight door on Engine Bulkhead. Yes.

Can each Boiler be used separately Single Boiler
What clear space between top of Boiler and woodwork 4 & 9
What clear space between Funnel and woodwork 1 & 6
Are Engine and Boiler Keelsons well connected fore and aft Yes.

Port West Hartlepool 3rd day of July 1871

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Farnley Hall" belonging to Robert Irvine Esq. whereof Edward P. Fisher is Master, 187 1/2 Tons Register, and 98 H.P. have been carefully inspected and examined by Us at West Hartlepool and We found the same, at this date, in good order and safe working condition.

J. Richardson & Sons
Marine Engineers.