

13813. Jan

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.

One pair of compound inverted cylinder direct acting screw engines

ENGINES, maker of J. & W. Dudgeon
age of new
last time taken out
present condition new
Diameter of Cylinder One of 35 and one of 67
Length of stroke 3 ft 3 in
No. per minute of Engines 70
of Screw 70
Estimated power 180 H.P.
Effective power 900
Diameter of Screw (or Paddle Wheels) 11 9/2
Pitch of Screw 19.6
No. of Blades (or Floats) 11
Description of Screw (or Floats) Common right hand
Holding down Bolts, size 1 1/2
present condition new

Bilge Pumps, No. (2) and size 4 1/4
Feed ,, No. (2) and size 4 1/4
Spare gear, if usual quantity on board Vessel yes
Fuel, where stowed Athwartship Bunker
space between Coal Bunkers and Boilers 8.9
for what quantity is space provided 50 Tons
Donkey Engine and Boiler yes
if fitted in Engine Room or on Deck Engine Room
can pump be worked by hand yes
size of pump (3 5/8) and stroke 9
is hose of sufficient length to reach every part of the Vessel yes
No. () 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 force, or after end of Boiler, &c.

Boiler Tubular with flat sides & semicircular tops & bottoms, No. of 2, with 3 Furnaces in each & fired at aft end

BOILER, maker of J. & W. Dudgeon
age of 1874
when last taken out new
present condition new
working pressure 75 lbs
No. of surface Blow off Cocks to each Boiler one to each Boiler
SCREW SHAFT length 7 5/4 diameter 11 Tunnel thickness of plating 5/16 height 6.6
width 3.8 1/2 if water-tight door on Engine Bulkhead. yes

Can each Boiler be used separately Yes
What clear space between top of Boiler and woodwork 10 in
What clear space between Funnel and woodwork 2.6
Are Engine and Boiler Keelsons well connected fore and aft Yes

Port of London 14th day of December 1874

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "South Western" belonging to Southampton whereof is Master, 363 9/10 Tons Register, and 180 H.P. have been carefully inspected and examined by us at Millwall and we found the same, at this date, in good order and safe working condition.

J. W. Dudgeon
S. J. Dudgeon

