

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	Bilge Pumps, No. (2) and size	4 1/4
„ age of	new	Feed „ No. (2) and size	4 1/4
„ last time taken out		Spare gear, if usual quantity on board Vessel	yes
„ present condition	new	Fuel, where stowed	Athwartship Bunker
Diameter of Cylinders	One of 35" and one of 6 1/2"	„ space between Coal Bunkers and Boilers	8' 9"
Length of stroke	3 ft. 3 in	„ for what quantity is space provided	50 Tons
No. per minute of Engines	70	Donkey Engine and Boiler	yes
„ of Screw	70	„ if fitted in Engine Room or on Deck	Engine Room
Estimated power	180 H.P.	„ can pump be worked by hand	yes
Effective power	900	„ size of pump (3 5/8) and stroke	9"
Diameter of Screw (or Paddle Wheels)	11' 9 1/2"	„ is hose of sufficient length to reach every part of the Vessel	yes
Pitch of Screw	19' 6"	No. () and continuation of hand pumps, if fitted in Engine Room	
No. of Blades (or Floats)	4		
Description of Screw (or Floats)	Common right hand		
Holding down Bolts, size	1 1/2		
„ present condition	new		

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	Can each Boiler be used separately	yes
„ age of	1874	What clear space between top of Boiler and woodwork	10 in
„ when last taken out	new	What clear space between Funnel and woodwork	2' 6"
„ present condition	new	Are Engine and Boiler Keelsons well connected fore and aft	yes
„ working pressure	75 lbs		
No. of surface Blow off Cocks to each Boiler	one to each Boiler		
SCREW SHAFT length	75 ft diameter 11"	Tunnel thickness of plating	5/16 height 6. 6
width	3.8 1/2	if water-tight door on Engine Bulkhead	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 9/16 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. I. Dudgeon

