

LOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

11264 In

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.

Direct Acting, Inverted, Compound, Surface Condensing Screw Engines with two Cylinders

Maker of W & J. Almond
of new
time taken out
present condition good
of Cylinder 18" x 34"
stroke 24"
minute of Engines 80
Screw 80
power 46
power 180
of Screw (or Paddle Wheels) 9 ft
Screw 11 ft 6 in
blades (or Floats) 4
on of Screw (or Floats) Common
down Bolts, size 1 1/2
present condition good

Bilge Pumps, No. ( 1 ) and size 3 1/2 in
Feed ,, No. ( 1 ) and size 3 1/2 in
Spare gear, if usual quantity on board Vessel yes
Fuel, where stowed Bunkers
space between Coal Bunkers and Boilers 4 in
for what quantity is space provided 4.5 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 1/2 ) and stroke 7 1/2 in
is hose of sufficient length to reach every part of the Vessel yes
No. ( ) and continuation of hand pumps, if fitted in Engine Room

BOILERS.—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.

One tubular Boiler with two furnaces, fired from fore end.

Maker of Jas. Cunningham
of new
when last taken out
present condition good
working pressure 65 lbs
surface Blow off Cocks to 1
with Boiler

Can each Boiler be used separately
What clear space between top of Boiler and woodwork 1 ft 6 in
What clear space between Funnel and woodwork 2 ft 6 in
Are Engine and Boiler Keelsons well connected fore and aft yes

SHAFT length 46 ft 6 in diameter 6 1/4 in Tunnel, thickness of plating 3/16 height 4 ft
width 3 ft 6 in if water-tight door on Engine Bulkhead.

Port of Shields 28th day of January 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) (or Paddle) Steam Vessel "Birling" belonging to London of J. Smith is Master, 194.72 Tons Register, and 46 H.P. have been fully inspected and examined by me at South Shields and have found the at this date, in good order and safe working condition.

per pro W & J. Almond J. Baird Marine Engineers