

12276 Iron

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 Surface Condensing Vertical Direct Acting

ENGINES, maker of Anderson & Soutbourn & Co. age of New last time taken out - present condition New Diameter of Cylinder One 54" One 102" Length of stroke 4 ft 6" No. per minute of Engines 50 of Screw 50 Estimated power 530 Effective power 3000 Diameter of Screw (or Paddle Wheels) 18 ft Pitch of Screw 30 No. of Blades (or Floats) 4 Blades Description of Screw (or Floats) Hirsch's Patent Holding down Bolts, size 1 1/2" & 2" present condition New

Bilge Pumps, No. (2) and size 7 1/2" Feed No. (2) and size 7 1/2" Spare gear, if usual quantity on board Vessel Yes Fuel, where stowed Bunkers space between Coal Bunkers and Boilers 2 ft for what quantity is space provided 1000 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 (6") 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 The

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.

Six Round Return Tubular Boilers Three Furnaces in each fired Athwartships & fitted with Superheaters -

BOILER, maker of H. & C. age of New when last taken out - present condition - working pressure 65 lbs. No. of surface Blow off Cocks to each Boiler One SCREW SHAFT length 110 ft diameter 15" Tunnel thickness of plating 3/8" height 6 ft 2 ft 6" width Yes if water-tight door on Engine Bulkhead.

Can each Boiler be used separately Yes What clear space between top of Boiler and woodwork 3 ft What clear space between Funnel and woodwork 2" Are Engine and Boiler Keelsons well connected fore and aft Yes

Port Newcastle day of 20th January 94

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel Vancouver belonging to London whereof Maury is Master, Tons Register, and 530 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.

Anderson & Soutbourn & Co.

