

Report No. 3200

LOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

#600 1159920

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 Engine with direct acting inverted cylinders One high and one low pressure

ENGINES, maker of Blair & Co. age of New last time taken out present condition Diameter of Cylinder 28" and 146" Length of stroke 30" No. per minute of Engines about 65 of Screw Estimated power 80 HP Effective power about 320 HP Diameter of Screw (or Paddle Wheels) 11 ft. Pitch of Screw about 1 1/2 ft. No. of Blades (or Floats) 4 Description of Screw (or Floats) Holding down Bolts, size 2" diam present condition New

Bilge Pumps, No. ( 2 ) and size 3 1/4" diam Feed ,, No. ( 2 ) and size 3 1/4" diam Spare gear, if usual quantity on board Vessel yes Fuel, where stowed In Bunkers space between Coal Bunkers and Boilers 12" for what quantity is space provided 1000 Tons Donkey Engine and Boiler Boiler on deck if fitted in Engine Room or on Deck Engine below can pump be worked by hand yes size of pump ( 7 1/2 ) and stroke 9" double acting hose of sufficient length to reach every part of the Vessel deck 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 fore, or after end of Boiler, &c.

One Tubular Boiler with four furnaces fired from forward.

BOILER, maker of Blair & Co. age of New when last taken out present condition working pressure 65 lbs No. of surface Blow off Cocks to each Boiler 1 surface & 1 bottom Blow off cocks NEW SHAFT length 16' 7" diameter 7 5/8" Tunnel, thickness of plating 1/16" height 4' 4" width 3' 2" if water-tight door on Engine Bulkhead. Yes

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

Port of Stockton 24 day of June 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Steam Vessel "Daisy" belonging to Messrs Turnbull & Co. of Joseph Lethe is Master, 418 1/2 Tons Register, and 80 H.P. have been fully inspected and examined by us at Stockton on Tees and we found the same, at this date, in good order and safe working condition.

Pro Blair & Co. Lloyds Register Marine Engineers.

IRON 454-0372