

14621 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, Direct acting, Inverted Cylinders - Surface Condenser Engines formerly by C & W. Earle. Compounded by

ENGINES, maker of Fowler & McCollin, age of Greater part New, last time taken out Partly taken out in Feb. 1875, present condition Good, Diameter of Cylinder 20" x 40 inches, Length of stroke 26 inches, No. per minute of Engines 60 Revolutions, of Screw One Screw, Estimated power 75, Effective power 200, Diameter of Screw (or Paddle Wheels) 10 1/2, Pitch of Screw 16, No. of Blades (or Floats) 4, Description of Screw (or Floats) Common, Holding down Bolts, size 2", present condition Good

Bilge Pumps, No. (2) and size 3 1/2 inches, Feed, No. (2) and size 3 1/4, Spare gear, if usual quantity on board Vessel, Fuel, where stowed in Coal Bunkers, space between Coal Bunkers and Boilers 6 inches, for what quantity is space provided 100 tons, Donkey Engine and Boiler Yes, if fitted in Engine Room or on Deck on Deck, can pump be worked by hand Yes, size of pump ( ) and stroke, is hose of sufficient length to reach every part of the Vessel, No. (3) and continuation of hand pumps, if fitted in Engine Room Yes

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.

The Boiler is tubular has 2 furnaces and fires fore & aft.

BOILER, maker of Fowler & McCollin, age of New, when last taken out, present condition New, working pressure 70 lbs, No. of surface Blow off Cocks to each Boiler One

Can each Boiler be used separately One Boiler, What clear space between top of Boiler and woodwork No wood work, What clear space between Funnel and woodwork, Are Engine and Boiler Keelsons well connected fore and aft Yes

SCREW SHAFT length diameter 7 1/2" Tunnel thickness of plating 1/4" height 3 ft, width if water-tight door on Engine Bulkhead Yes

Port of Hull day of June 21<sup>st</sup> 1875

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel Dagmar belonging to John Dyson is Master, Tons Register, and H.P. have been fully inspected and examined by at and found the, at this date, in good order and safe working condition.

Fowler & McCollin