

114621 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" & 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 ft*

Pitch of Screw *16 ft*

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 *60 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 21st* 18 *75*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) crew (or Paddle) Steam Vessel *Dagmar* belonging to *John Dyson* of *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

Marine Engineers.