

9/3/75

14002 Iron

"Edith Owen" Report No 24319

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.

Direct acting. 4 cylinder, compound. surface condensing. Inverted cylinder engines.

ENGINES, maker of *Marshall, J. Shields*  
 „ age of *New. Oct. 1870*  
 „ last time taken out *not yet*  
 „ present condition *Good*  
 Diameter of Cylinder *L.P. 36 Inches, H.P. 16 Inches*  
 Length of stroke *27*  
 No. per minute of Engines *60 Revolutions*  
 „ of Screw *60*  
 Estimated power *80 H.P.*  
 Effective power *350 I.H.P.*  
 Diameter of Screw (or Paddle Wheels) *10 ft*  
 Pitch of Screw *14*  
 No. of Blades (or Floats) *3 Blades*  
 Description of Screw (or Floats) *Plain*  
 Holding down Bolts, size *1 1/2*  
 „ present condition *Good*

Bilge Pumps, No. ( *2* ) and size *4 3/4 Ins*  
 Feed „ No. ( *2* ) and size *4 3/4*  
 Spare gear, if usual quantity on board Vessel *Manual quantity*  
 Fuel, where stowed *Side bunkers*  
 „ space between Coal Bunkers and Boilers *6 Inches*  
 „ for what quantity is space provided *70 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 ( *5* ) and stroke *16*  
 „ is hose of sufficient length to reach every part of the Vessel *Yes*  
 No. ( *1* ) and continuation of hand pumps, if fitted in Engine Room *Good*

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 force, or after end of Boiler, &c.

Two round Tubular Boilers. four furnaces. superheater. fired from aft end.

BOILER, maker of *Horton & Son*  
 „ age of *New. Oct 1870*  
 „ when last taken out *not yet*  
 „ present condition *Good*  
 „ working pressure *70 lbs.*  
 No. of surface Blow off Cocks to each Boiler *One surface, one bottom*

Can each Boiler be used separately *No*  
 What clear space between top of Boiler and woodwork *No wood*  
 What clear space between Funnel and woodwork *Iron casings*  
 Are Engine and Boiler Keelsons well connected fore and aft *Well connected*

SCREW SHAFT length *90 ft* diameter *4 Ins* Tunnel thickness of plating *1/4 Ins* height *5 feet*  
 width *3 feet* if water-tight door on Engine Bulkhead. *enter from deck.*

Port *of Liverpool* 2<sup>d</sup> day of *March* 18*75*.

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Edith Owen"* belonging to *Powell & Coy* whereof *Mr. Dart* is Master, *379* Tons Register, and *80* H.P. have been carefully inspected and examined by *Me* at *Liverpool* and *I* found the same, at this date, in good order and safe working condition.

*L-1-1* (see report)  
*Wm No 24519*  
*J. E. L.*

*J. G. Kinghorn*  
 Marine Engineer  
 to Lloyd's Registry

Lloyd's Register Foundation

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