

12181 Jan.

# 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 Let Condensing Engines -  
2 Cylinders Inverted.*

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ENGINES, maker of *Thomas Clark Newcastle*  
 „ age of *7 1/2 years*  
 „ last time taken out \_\_\_\_\_  
 „ present condition *Good.*  
 Diameter of Cylinders *Two - 35 ins*  
 Length of stroke *28 ins*  
 No. per minute of Engines *64 to 70*  
 „ of Screw \_\_\_\_\_  
 Estimated power *70*  
 Effective power *280*  
 Diameter of Screw (or Paddle Wheels) *9. 10*  
 Pitch of Screw *about 13. 6*  
 No. of Blades (or Floats) *3*  
 Description of Screw (or Floats) *Common*  
 Holding down Bolts, size *2 ins*  
 „ present condition *Good*

Bilge Pumps, No. ( *2* ) and size *3 1/4 diam*  
 Feed „ No. ( *2* ) and size *3 1/4*  
 Spare gear, if usual quantity on } *Yes*  
 board Vessel  
 Fuel, where stowed *Sea Side Bunkers*  
 „ space between Coal Bunkers } *6 ins*  
 and Boilers  
 „ for what quantity is space provided *100 Tons*  
 Donkey Engine and Boiler *Yes*  
 „ if fitted in Engine Room or } *Donkey in Engine Room*  
 on Deck } *Boiler on Deck.*  
 „ can pump be worked by hand *No*  
 „ size of pump ( *6* ) and stroke *12*  
 „ is hose of sufficient length to } *Yes*  
 reach every part of the Vessel  
 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.

*1 Tubular boiler with 3 furnaces fired from aft end  
No superheating apparatus.*

BOILER, maker of *Thomas Clark Newcastle*  
 „ age of *7 1/2 years*  
 „ when last taken out *2 years ago*  
 „ present condition *Fair*  
 „ working pressure *20 lbs per sq in*  
 No. of surface Blow off Cocks to } *2*  
 each Boiler } *1 Surface*  
 } *x 1 Bottom*

Can each Boiler be used separately \_\_\_\_\_  
 What clear space between top of } *2 feet*  
 Boiler and woodwork }  
 What clear space between Funnel } *4. 6*  
 and woodwork }  
 Are Engine and Boiler Keelsons } *Yes*  
 well connected fore and aft }

SCREW SHAFT length *65 feet* diameter *7 in* Tunnel, thickness of plating *1/4* height *3. 6*  
 width *2. 3 1/2* if water-tight door on Engine Bulkhead. *Yes*

Port of *London* *8 1/2* day of *December* 18 *73*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Kellie* *500 gross* belonging to *Messrs J. Young Eglers & Co* whereof *James Gunn* is Master, *340 nett* Tons Register, and *70* H.P. have been carefully inspected and examined by me at *Linthouse* and I found the same, at this date, in good order and safe working condition.

*Edward J. Jones*  
 Dept Engineer  
 Marine Engineers.