

# 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.

*Inverted, Direct acting, Compound Surface Condensing,  
Two Cylinders,*

ENGINES, maker of *J. & C. Clark & Co.*  
 „ age of *New*  
 „ last time taken out *"*  
 „ present condition *"*  
 Diameter of Cylinder *H.P. 33", L.P. 64"*  
 Length of stroke *45"*  
 No. per minute of Engines *60*  
 „ of Screw *60*  
 Estimated power *180*  
 Effective power *750*  
 Diameter of Screw (or Paddle Wheels) *15 ft*  
 Pitch of Screw *1 1/4 ft*  
 No. of Blades (or Floats) *4*  
 Description of Screw (or Floats) *Common*  
 Holding down Bolts, size *1 1/2" diam*  
 „ present condition *New*

Bilge Pumps, No. ( *2* ) and size *1 1/2" diam*  
 Feed „ No. ( *2* ) and size *1 1/2" "*  
 Spare gear, if usual quantity on board Vessel *Yes,*  
 Fuel, where stowed *in bunkers*  
 „ space between Coal Bunkers and Boilers *15 inches*  
 „ for what quantity is space provided *280 Tons*  
 Donkey Engine and Boiler *2 Donkeys, 1 Boiler,*  
 „ if fitted in Engine Room or on Deck *Engine Room,*  
 „ can pump be worked by hand *Yes,*  
 „ size of pump ( *4"* ) and stroke *8", 8" diam, 12" stroke*  
 „ is hose of sufficient length to reach every part of the Vessel *Yes,*  
 No. ( *6* ) and continuation of hand pumps, if fitted in Engine Room *One*

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.

*Two Cylindrical Tubular Boilers, Four Furnaces in each Boiler,  
1 Superheater to each Boiler, Boilers fired at each end, fore & aft,*

BOILER, maker of *J. Clark & Co.*  
 „ age of *New*  
 „ when last taken out *"*  
 „ present condition *New*  
 „ working pressure *45 lbs per sq. in.*  
 No. of surface Blow off Cocks to each Boiler *Two*

Can each Boiler be used separately *Yes,*  
 What clear space between top of Boiler and woodwork *8 ft*  
 What clear space between Funnel and woodwork *2 feet*  
 Are Engine and Boiler Keelsons well connected fore and aft *Yes,*

SCREW SHAFT length *20' 10 1/4"* diameter *11 1/4"* Tunnel thickness of plating *3/8* height *5.6*  
 width *4' 3"* if water-tight door on Engine Bulkhead *Yes,*

Port *Newcastle upon Tyne* day of *31 July* 18 *74*

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)  
 Screw (or Paddle) Steam Vessel *Venice* belonging to *Nelson Dutton & Co.*  
 whereof *J. A. W. Steen* is Master, *1270 84/100* Tons Register, and *180* H.P. have been  
 carefully inspected and examined by *us* at *Newcastle* and *Leve* found the  
 same, at this date, in good order and safe working condition.

*Wm Clark & Co.*  
*Newcastle upon Tyne*  
 Marine Engineers.