

# 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.

*52 Eng*  
*Direct acting inverted cylinders*  
*Compound Engines - 2 Cylinders*

ENGINES, maker of *Herald & Co*  
 age of *new*  
 last time taken out *"*  
 present condition *Perfect*  
 diameter of Cylinder *36" 18"*  
 length of stroke *27 1/2"*  
 revolutions per minute of Engines *66*  
 diameter of Screw *6 1/2*  
 estimated power *80*  
 effective power *280*  
 diameter of Screw (or Paddle Wheels) *8' 4"*  
 pitch of Screw *14' 0"*  
 number of Blades (or Floes) *4*  
 description of Screw (or Floes) *Hawthorn improved*  
 drawing down Bolts, size *1 1/2*  
 present condition *new*

Bilge Pumps, No. ( *2* ) and size *3" dia*  
 Feed " No. ( *2* ) and size *3"*  
 Spare gear, if usual quantity on board Vessel *Yes*  
 Fuel, where stowed *In Engine Room*  
 " space between Coal Bunkers and Boilers *1 1/2"*  
 " for what quantity is space provided *for space only*  
 Donkey Engine and Boiler *Yes*  
 " if fitted in Engine Room or on Deck *Deck*  
 " can pump be worked by hand *Yes*  
 " size of pump ( *4 1/2* ) and stroke *8"*  
 " 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 *4 1/2" dia. 6" stroke*

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.

*Cylindrical multitubular return tube. 1 boiler, 3 Furnaces*  
*Fired from aft end.*

BOILER, maker of *James Blair & Gray*  
 age of *new*  
 when last taken out *"*  
 present condition *perfect*  
 working pressure *65 lbs*  
 number of surface Blow off Cocks to each Boiler *1*

Can each Boiler be used separately *One Boiler only*  
 What clear space between top of Boiler and woodwork *2' 0"*  
 What clear space between Funnel and woodwork *1' 6"*  
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SHAFT length *74' 0"* diameter *4 3/4"* Tunnel, thickness of plating *3/16 x 7/16* height *4' 6"*  
 width *4' 0"* if water-tight door on Engine Bulkhead. *Yes*

Port *Sunderland* day of *3<sup>rd</sup>* Feb: 18 *73*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) (or Paddle) Steam Vessel *"Ramona"* belonging to *Union Steam Ship Co* of *Thompson* is Master, *352.25* Tons Register, and *70* H.P. have been fully inspected and examined by *us* at *Pallion, Sunderland* and we found the at this date, in good order and safe working condition.

*W. R. ...*  
 Lloyd's Register  
 Marine Engineers.  
 Foundation