

## 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.

*Engines Surface Condensing & Compound with direct acting inverted Cylinders*

ENGINES, maker of *Robinson*  
 „ age of *New*  
 „ last time taken out  
 „ present condition  
 Diameter of Cylinders *24" & 50"*  
 Length of stroke *33"*  
 No. per minute of Engines *60 & 65*  
 „ of Screw  
 Estimated power  
 Effective power  
 Diameter of Screw (or Paddle Wheels) *11.6"*  
 Pitch of Screw *14 ft*  
 No. of Blades (or Floats) *4*  
 Description of Screw (or Floats) *Expanding pitch*  
 Holding down Bolts, size *from 1 1/2" to 1 3/4"*  
 „ present condition

Bilge Pumps, No. ( *2* ) and size *4 1/4 dia*  
 Feed „ No. ( *2* ) and size *4 1/4 dia*  
 Spare gear, if usual quantity on board Vessel *yes*  
 Fuel, where stowed *alongside boiler*  
 „ space between Coal Bunkers and Boilers *6"*  
 „ for what quantity is space provided *165 tons*  
 Donkey Engine and Boiler *In stove hole*  
 „ if fitted in Engine Room or on Deck *Donkey Engine in Engine Room*  
 „ can pump be worked by hand *yes*  
 „ size of pump ( *6"* ) and stroke *8"*  
 „ is hose of sufficient length to reach every part of the Vessel *yes*  
 „ No. ( ) and continuation of hand pumps, if fitted in Engine Room *Hand pump 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.

*Two Boilers of the Multitubular description with two fires in each fired from fore end*

BOILER, maker of *Robinson*  
 „ age of *New*  
 „ when last taken out  
 „ present condition  
 „ working pressure  
 „ of surface Blow off Cocks to each Boiler *one surface and one Blow Cock to each Boiler*  
 STEW SHAFT length *85.4"* diameter *8 5/8"* Tunnel, thickness of plating *3/16* height *4.0*  
 width *4.0* if water-tight door on Engine Bulkhead *yes*

Can each Boiler be used separately *yes*  
 What clear space between top of Boiler and woodwork *4.6*  
 What clear space between Funnel and woodwork *2.6*  
 Are Engine and Boiler Keelsons well connected fore and aft *yes*

Port *Sunderland* *4* day of *July* 18*73*

*2* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Quintary"* belonging to *Billao* whereof *P. de Ansoleaga* is Master, *563.66* Tons Register, and *100* H.P. have been carefully inspected and examined by me at *Sunderland* and *2* found the same, at this date, in good order and safe working condition.

*W. H. Black*  
*Robinson*  
 Marine Engineers.