

LOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

following is a true Account of the Particulars of the Machinery and Boilers:—

GINES.—Here state description of Engines, whether Direct Acting or Geared; Inverted, Horizontal, Diagonal, or Oscillating Cylinders; No. of Cylinders, &c.

ES, maker of *Messrs Jas. Jack. Rollos & Co.*  
 re of *New*  
 st time taken out  
 resent condition *New*  
 r of Cylinder *HP 40" x LP 70"*  
 of stroke *3ft*  
 minute of Engines *65*  
 Screw *65*  
 ed power *850*  
 e power  
 r of Screw (or Paddle Wheels) *15ft*  
 Screw *19ft*  
 Blades (or Floats) *4*  
 ion of Screw (or Floats) *Common*  
 down Bolts, size *2 1/2"*  
 resent condition *New*

Bilge Pumps, No. ( *2* ) and size *5 1/2*  
 Feed „ No. ( *2* ) and size *4 1/2*  
 Spare gear, if usual quantity on } *Yes.*  
 board Vessel }  
 Fuel, where stowed *in Bunkers*  
 „ space between Coal Bunkers } *6"*  
 and Boilers }  
 „ for what quantity is space provided *180 Tons*  
 Donkey Engine and Boiler  
 „ if fitted in Engine Room or } *Donkey Engine in Engine Room*  
 on Deck } *Boiler on Deck*  
 „ can pump be worked by hand *Yes.*  
 „ size of pump ( *5 1/2* ) and stroke *10"*  
 „ is hose of sufficient length to } *Yes.*  
 reach every part of the Vessel }  
 No. ( *1* ) and continuation of hand } *fitted in Engine Room*  
 pumps, if fitted in Engine Room }

ER.—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.

*Boilers Tubular; 2 in number; No. of Furnaces 4 in each Boiler*  
*Fired Fore & Aft. 1 Superheater for each Boiler*

k, maker of *Messrs Jas. Jack. Rollos & Co.*  
 e of *New*  
 hen last taken out  
 resent condition *New*  
 orking pressure *65 lbs*  
 urface Blow off Cocks to } *2*  
 n Boiler }

Can each Boiler be used separately *No.*  
 What clear space between top of } *4ft*  
 Boiler and woodwork }  
 What clear space between Funnel } *3ft*  
 and woodwork }  
 Are Engine and Boiler Keelsons } *Yes.*  
 well connected fore and aft }

SHAFT length *11ft 8"* diameter *10 1/2"* Tunnel, thickness of plating *3/8* height *5.10*  
 width *4.0* if water-tight door on Engine Bulkhead. *Yes.*

Port *Liverpool*, *19<sup>th</sup>* day of *July* 18*72*

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) *Steam Vessel* *"Benbow"* belonging to *Liverpool* is Master, Tons Register, and *200* H.P. have been *ly inspected and examined by us at Liverpool* and *we* found the *at this date, in good order and safe working condition.*

*James Jack Rollos & Co*  
*Liverpool*  
 Marine Engineers.