

# LOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

## ENGINEER'S CERTIFICATE.

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

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

*Engines Inverted Direct Acting 2 Cylinders*

ES, maker of *Blackwood & Gordon*  
 of *New*  
 time taken out  
 sent condition *Good*  
 of Cylinder *36"*  
 f stroke *42"*  
 minute of Engines *55*  
 Screw *55*  
 d power *One hundred and fifty Horses*  
 power *Six Hundred*  
 r of Screw (or Paddle Wheels) *14 feet*  
 Screw *21 feet*  
 blades (or Floats) *Three*  
 ion of Screw (or Floats)  
 down Bolts, size *1 3/4*  
 sent condition *Good*

Bilge Pumps, No. ( *2* ) and size *3 1/2" Dia*  
 Feed „ No. ( *2* ) and size *3 1/2" Dia*  
 Spare gear, if usual quantity on board Vessel *Yes*  
 Fuel, where stowed *Between Engines & Boilers (along side)*  
 „ space between Coal Bunkers and Boilers *2 feet*  
 „ for what quantity is space provided *260 Tons*  
 Donkey Engine and Boiler *Yes*  
 „ if Fitted in Engine Room or on Deck *Boiler on deck Engine below*  
 „ can pump be worked by hand *No*  
 „ size of pump ( *3"* ) and stroke *6"*  
 „ is hose of sufficient length to reach every part of the Vessel *Yes*  
 No. ( *1* ) and condition of hand pumps, if fitted in Engine Room *Good*

LER.—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.

*2 Tubular Boilers 4 Furnaces in each fired athwartships  
 no Superheater*

ER, maker of *Blackwood & Gordon*  
 age of *New*  
 when last taken out  
 present condition *Good*  
 working pressure *40 lb*  
 surface Blow off Cocks to each Boiler *Two to each*

Can each Boiler be used separately *Yes*  
 What clear space between top of Boiler and woodwork *3 feet*  
 What clear space between Funnel and woodwork *4 feet*  
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SHAFT length *95 feet* diameter *8 3/4"* Tunnel, thickness of plating *7/16"* height *2 feet 6 inch*  
 width *3 feet 2"* if water-tight door on Engine Bulkhead *no* *Turner water tight*

Port \_\_\_\_\_ day of \_\_\_\_\_ 1868

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) *Iron* Steam Vessel *"Sparsali"* belonging to *Sparsali*  
 of *Red head* is Master, Tons Register, and *150* H.P. have been  
 fully inspected and examined by us at *Port Glasgow* and we found the  
 e, at this date, in good order and safe working condition.

*Pro Blackwood & Gordon*  
*A. M. Gordon*  
 Marine Engineers.