

# LOYD'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.

*Direct-acting Compound, with two inverted cylinders*

ENGINES, maker of *John & James Thomson*  
 Age of *New*  
 Last time taken out *New*  
 Present condition *New*  
 Diameter of Cylinder *32" x 54"*  
 Length of stroke *2'-9"*  
 Revolutions per minute of Engines *60*  
 Diameter of Screw *60*  
 Rated power *160*  
 Indicated power *700*  
 Diameter of Screw (or Paddle Wheels) *Screw 12'-8"*  
 Diameter of Screw   
 Number of Blades (or Floats) *Four*  
 Description of Screw (or Floats)   
 Length of down Bolts, size *1 1/8" Dia.*  
 Present condition *New*

Bilge Pumps, No. ( *2* ) and size *4 1/2" Dia.*  
 Feed " No. ( *2* ) and size *3 1/2" Dia.*  
 Spare gear, if usual quantity on board Vessel *Yes*  
 Fuel, where stowed *along side of Boilers*  
 " space between Coal Bunkers and Boilers *6"*  
 " for what quantity is space provided   
 Donkey Engine and Boiler *one*  
 " if fitted in Engine Room or on Deck *Engine Room*  
 " can pump be worked by hand *Yes*  
 " size of pump ( ) and stroke   
 " 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 *Fitted 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 round Tubular Boilers, three furnaces in each, fitted with superheating apparatus, and fired from Forward end*

BOILER, maker of *John & James Thomson*  
 Age of *New*  
 When last taken out *New*  
 Present condition *New*  
 Working pressure *60 lbs*  
 Number of surface Blow off Cocks to each Boiler *one surface and one Bottom, Blow-off*  
 Length of SHAFT *20'-0"* diameter *11"*  
 Width  if water-tight door on Engine Bulkhead *Yes*

Can each Boiler be used separately *Yes*  
 What clear space between top of Boiler and woodwork   
 What clear space between Funnel and woodwork *1'-6"*  
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*  
 Tunnel, thickness of plating  height

Port *Glasgow* *13<sup>th</sup>* day of *December* 18*72*

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) (or Paddle) Steam Vessel *San Quinto* belonging to *Isaac Steamship Company* of *Barrington* is Master, *1100* Tons Register, and *160* H.P. have been fully inspected and examined by *us* at *Glasgow* and *we* found the , at this date, in good order and safe working condition.

*John & James Thomson*  
 Lloyd's Register  
 Marine Engineers.