

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 *400*
 Diameter of Screw (or Paddle Wheels) *Screw 12'-8"*
 Diameter of Screw
 Number of Blades (or Floats) *Four*
 Description of Screw (or Floats)
 Diameter of Bolts, size *1 3/8" Dia.*
 Present condition *New*

Bilge Pumps, No. (*2*) and size *4 1/2" Dia.*
 Feed " No. (*2*) and size *3 1/4" 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*

BOILERS.—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

BOILERS, 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*
 SHAFT length *20'-0"* diameter *11"* Tunnel, thickness of plating
 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*

Port *Glasgow* *13th* 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 *Texas 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 same, at this date, in good order and safe working condition.

John & James Thomson
 Lloyd's Register
 Marine Engineers.