

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.

Compound direct acting inverted with two Cylinders.

ENGINES, maker of *Blackwood & Gordon*
 „ age of *New*
 „ last time taken out
 „ present condition *Good*
 Diameter of Cylinder *14" HP x 25" D*
 Length of stroke *16 inches*
 No. per minute of Engines *85*
 „ of Screw *85*
 Estimated power *38*
 Effective power *135*
 Diameter of Screw (or Paddle Wheels) *8' 0"*
 Pitch of Screw *11' 6"*
 No. of Blades (or Floats) *Three*
 Description of Screw (or Floats) *Common*
 Holding down Bolts, size *1 1/2"*
 „ present condition *good*

Bilge Pumps, No. (*one*) and size *3 3/4*
 Feed „ No. (*one*) and size *3 3/4*
 Spare gear, if usual quantity on board Vessel *Yes*
 Fuel, where stowed *Alongside of Boilers*
 „ space between Coal Bunkers and Boilers *6 inches*
 „ for what quantity is space provided *18 tons*
 Donkey Engine and Boiler *Yes*
 „ if fitted in Engine Room or on Deck *Engine Room*
 „ can pump be worked by hand *No*
 „ size of pump (*3 3/4*) and stroke *4 1/2*
 „ is hose of sufficient length to reach every part of the Vessel *Yes*
 No. (*one*) and continuation of hand pumps, if fitted in Engine Room *Yes*

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 force, or after end of Boiler, &c.

One round tubular horizontal boiler with two furnaces fired from the after end. No superheating apparatus.

BOILER, maker of *Blackwood & Gordon*
 „ age of *New*
 „ when last taken out
 „ present condition *Good*
 „ working pressure *60 lbs*
 No. of surface Blow off Cocks to each Boiler *One surface & one bottom*

Can each Boiler be used separately *One boiler*
 What clear space between top of Boiler and woodwork *24 inches*
 What clear space between Funnel and woodwork *12 inches*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

CREW SHAFT length *42' 0"* diameter *4"* thickness of plating *16' diam.*
 width *16' diam.* if water-tight door on Engine Bulkhead *None.*

Port of *Port Glasgow* 13th day of *April* 1875

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) crew (or Paddle) Steam Vessel *Fernandez-Sanz* belonging to *Wm. Anichshank & Co.* hereof *Redo Mefferneta* is Master, *109* Tons Register, and *30* H.P. have been carefully inspected and examined by us at *Port Glasgow* and we found the same, at this date, in good order and safe working condition.

Blackwood & Gordon
Port Glasgow
 Marine Engineers.