

12385 Lm

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.

*Direct Acting, Inverted Cylinders, on the Compound principle
that is to say, one high & one low pressure cylinder*

ENGINES, maker of *Kait & Lindsay*
 „ age of *Built 1865*
 „ last time taken out
 „ present condition *Completed this date.*
 Diameter of Cylinder's *28" + 54"*
 Length of stroke *2' 8"*
 No. per minute of Engines
 „ of Screw
 Estimated power *125 Nominal*
 Effective power
 Diameter of Screw (or Paddle Wheels) *12' 7"*
 Pitch of Screw *16" 6"*
 No. of Blades (or Floats) *four*
 Description of Screw (or Floats) *Common*
 Holding down Bolts, size *1 1/2*
 „ present condition *good*

Bilge Pumps, No. (*2*) and size *4 1/2"*
 Feed „ No. (*2*) and size *4 1/2"*
 Spare gear, if usual quantity on board Vessel
 Fuel, where stowed *Forward athwart Ship*
 „ space between Coal Bunkers and Boilers *6 feet ?*
 „ for what quantity is space provided *120 Tons*
 Donkey Engine and Boiler *Engine in Engine Room*
 „ if fitted in Engine Room or on Deck *Boiler in Stowhole*
 „ can pump be worked by hand *No*
 „ size of pump () and stroke
 „ is hose of sufficient length to reach every part of the Vessel *yes*
 No. () and continuation of hand pumps, if fitted in Engine Room *1. Hand Pump*

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. Flat-sided. Tubular Boilers. 2 furnaces in each. no superheater. Fired from forward end

BOILER, maker of *Kait & Lindsay*
 „ age of *new*
 „ when last taken out
 „ present condition *good*
 „ working pressure *60 lbs*
 No. of surface Blow off Cocks to each Boiler *one*
 (Propeller shaft 18' 7" included)
 SCREW SHAFT length *53' 8"* diameter *8 1/2"*
 width *2' 11"* if water-tight door on Engine Bulkhead. *No*

Can each Boiler be used separately *yes*
 What clear space between top of Boiler and woodwork *6' 7"*
 What clear space between Funnel and woodwork *See Vessel*
 Are Engine and Boiler Keelsons well connected fore and aft *yes*
 Tunnel thickness of plating *5/16"* height *3' 11 3/4"*

Port *Glasgow* *17th* day of *January* 18*71*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Paris"* belonging to *D. R. Macgregor & Co* whereof *Wybar* is Master, *920.21* Tons Register, and *125* H.P. have been carefully inspected and examined by us at *Glasgow* and we found the same, at this date, in good order and safe working condition.

Attest Lindsay
Authenticated Lindsay, Glasgow.
 Marine Engineers.