

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, Compound Engines, with two cylinders

ENGINES, maker of *John Elder & Co*
 „ age of *New*
 „ last time taken out *—*
 „ present condition *New*
 Diameter of Cylinder *H.P. 23 in. L.P. 40 in.*
 Length of stroke *2 ft*
 No. per minute of Engines *90 Revolutions*
 „ of Screw *90 do*
 Estimated power *75 H.P.*
 Effective power *370 Indicated H.P.*
 Diameter of Screw (or Paddle Wheels) *9 ft. 3 in.*
 Pitch of Screw *12 ft. 6 in.*
 No. of Blades (or Floats) *Four*
 Description of Screw (or Floats) *Common*
 Holding down Bolts, size *7/8 dia.*
 „ present condition *New*

Bilge Pumps, No. (*1*) and size *3" dia. X 13 1/2" stroke*
 Feed „ No. (*1*) and size *3" dia. X 13 1/2" do*
 Spare gear, if usual quantity on board Vessel *Yes*
 Fuel, where stowed *Alongside of Boiler*
 „ space between Coal Bunkers and Boilers *Minimum 12 in.*
 „ for what quantity is space provided *50 tons*
 Donkey Engine and Boiler *Yes*
 „ if fitted in Engine Room or on Deck *Boiler in Stowage, Engine in Engine Room*
 „ can pump be worked by hand *Fitted with Hand Pump additional*
 „ size of pump *3 1/2" dia.* and stroke *6 in. double acting*
 „ is hose of sufficient length to reach every part of the Vessel *—*
 No. () and continuation of hand pumps, if 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.

One Cylindrical Tubular Boiler, with two furnaces, fired at fore end, fore & aft

BOILER, maker of *John Elder & Co*
 „ age of *New*
 „ when last taken out *—*
 „ present condition *New*
 „ working pressure *70 lbs.*
 No. of surface Blow off Cocks to each Boiler *one*

Can each Boiler be used separately *—*
 What clear space between top of Boiler and woodwork *2 ft. 9 in.*
 What clear space between Funnel and woodwork *2 ft.*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *59 ft.* diameter *6 1/4 in.* Tunnel thickness of plating *1/4"* height *5 ft. 6 in.*
 width *2' 9"* if water-tight door on Engine Bulkhead. *Yes*

Port *Glasgow* *9th* day of *March* 18 *75*

We hereby certify, that the whole of the above Machinery and Boilers of the *Composite* Screw (or Paddle) Steam Vessel "*Egeron*" belonging to *Amsterdam* whereof *Capt. Usher* is Master, *305.17* Tons Register, and *75* 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.

John Elder & Co
 Marine Engineers.

Lloyd's Register
 Foundation

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