

15569 J New

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 Cylinder, Compound Engines, with three cylinders

ENGINES, maker of *John Elder & Co*
 „ age of *New*
 „ last time taken out *—*
 „ present condition *New*
 Diameter of Cylinder *H.P. 45 in - L.P. 62 in*
 Length of stroke *4' 3"*
 No. per minute of Engines *65*
 „ of Screw *65*
 Estimated power *500 H.P.*
 Effective power *about 2300 I.H.P.*
 Diameter of Screw (~~or Paddle Wheel~~) *17 ft.*
 Pitch of Screw *25 ft.*
 No. of Blades (~~or Flets~~) *Four*
 Description of Screw (~~or Flets~~) *Common*
 Holding down Bolts, size *1 1/2" dia*
 „ present condition *New*

Bilge Pumps, No. (*2*) and size *6 1/2" dia x 20" Stroke*
 Feed „ No. (*2*) and size *6 1/2" dia x 20" Stroke*
 Spare gear, if usual quantity on board Vessel *Yes*
 Fuel, where stowed *Fore and Aft of Boilers*
 „ space between Coal Bunkers and Boilers *Stowholes are between = 8' 3"*
 „ for what quantity is space provided *In Bunkers 1000 tons In Holds 880 „ = 1880 tons*
 Donkey Engine and Boiler *Yes*
 „ if fitted in Engine Room or on Deck *Boiler on Deck and Engine in Engine Room*
 „ can pump be worked by hand *Fitted with Hand Pump additional*
 „ size of pump (*4 7/8"*) and stroke *8" double acting*
 „ is hose of sufficient length to reach every part of the Vessel *Yes*
 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.

Two Cylindrical Tubular Boilers, each with six furnaces, fired at each end, Fore and Aft. Fitted with Superheater

BOILERS, maker of *John Elder & Co*
 „ age of *New*
 „ when last taken out *—*
 „ present condition *New*
 „ working pressure *75 lbs*
 No. of surface Blow off Cocks to each Boiler *One*

Can each Boiler be used separately *Yes*
 What clear space between top of Boiler and woodwork *3' 3"*
 What clear space between Funnel and woodwork *2' 9"*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *83 feet* diameter *14 ins.* Tunnel thickness of plating *5/16"* height *6' 2"*
 width *4' 6"* if water-tight door on Engine Bulkhead. *Yes*

Port *Glasgow* 20th day of *Decr* 18 *75*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~) Screw (~~or Paddle~~) Steam Vessel *"Australia"* belonging to *Glasgow* whereof *W^m Gargill* is Master, *1714* Tons Register, and *500* 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.

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