

Report No. 2700 S.S. "Gazelle"

7372 L

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.

2 Cylinders - Inverted Direct Acting

ENGINES, maker of *Blair & Co. Limited*
 „ age of *new*
 „ last time taken out *—*
 „ present condition *— good*
 Diameter of Cylinder *36 in*
 Length of stroke *27 in*
 No. per minute of Engines
 „ of Screw
 Estimated power *86 Nominal*
 Effective power
 Diameter of Screw (or Paddle Wheels) *Screw 11 ft dia.*
 Pitch of Screw
 No. of Blades (or Floats) *4 Blades*
 Description of Screw (or Floats) *Screw*
 Holding down Bolts, size *2 in diam.*
 „ present condition *new*

Bilge Pumps, No. (*2*) and size *3 3/4 diam. 17 1/2 Stroke*
 Feed „ No. (*2*) and size *3 3/4 diam. 17 1/2 Stroke*
 Spare gear, if usual quantity on board Vessel *yes*
 Fuel, where stowed *in bunkers under bridge*
 „ space between Coal Bunkers and Boilers *6 in*
 „ for what quantity is space provided *123 tons*
 Donkey Engine and Boiler *yes*
 „ if fitted in Engine Room or on Deck *Donkey Engine fitted in Engine Room*
 „ can pump be worked by hand *yes*
 „ size of pump (*5 1/2*) and stroke *9 in 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.

one Tubular Boiler with 4 Furnaces, fitted with Superheating apparatus, and Fired from after end

BOILER, maker of *Blair & Co. Limited*
 „ age of *new*
 „ when last taken out
 „ present condition *good*
 „ working pressure *25 lb per sq inch*
 No. of surface Blow off Cocks to each Boiler *one*
(40 ft 1 in)

Can each Boiler be used separately *—*
 What clear space between top of Boiler and woodwork *2 ft 4 in*
 What clear space between Funnel and woodwork *1 ft 8 in*
 Are Engine and Boiler Keelsons well connected fore and aft *yes*

SCREW SHAFT length *58 ft 1 in* diameter *8 3/4 in* Tunnel, thickness of plating *5/16* height *4 ft*
 width *3 ft 1 in* if water-tight door on Engine Bulkhead. *yes*

Port *Hartlepool* day of *Sept 23* 18*69*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Gazelle"* belonging to *E. Cory* whereof *Capt J. Symon* is Master, *374 100* Tons Register, and *86* H.P. have been carefully inspected and examined by us at *Hartlepool* and we found the same, at this date, in good order and safe working condition.

Jas Blair & Co. Limited
John Sherman
 Marine Engineers.

IRON 501-0338