

10663

Elizabeth Martin

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 Compound Expansion Engines with one high pressure & one low pressure Cylinder.

ENGINES, maker of R. Napier & Sons
age of New 1872
last time taken out -
present condition Good
Diameter of Cylinder 30 ins x 54 ins.
Length of stroke 3 feet.
No. per minute of Engines
of Screw
Estimated power 130 H.P. Nominal
Effective power
Diameter of Screw (or Paddle Wheels) 14 feet
Pitch of Screw 12 feet
No. of Blades (or Floats) Four
Description of Screw (or Floats) Griffiths
Holding down Bolts, size 1 1/2 dia.
present condition Good

Bilge Pumps, No. ( 2 ) and size 3" dia. x 14 1/2" Stroke
Feed ,, No. ( 2 ) and size 3" " x 14 1/2" "
Spare gear, if usual quantity on board Vessel Yes
Fuel, where stowed On starboard side fore end of Engines and Boilers
space between Coal Bunkers and Boilers none
for what quantity is space provided 110 Tons at 45 Cub. ft. per ton.
Donkey Engine and Boiler Yes
if fitted in Engine Room or on Deck Monkey in Engine Room Boiler on Deck
can pump be worked by hand No.
size of pump ( 4" ) and stroke 8"
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 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.

Circular Boilers - Two in no. - Tubular - 6 furnaces in all - One Superheater - Boilers fired from fore end of Stowehole.

BOILER, maker of R. Napier & Sons
age of New 1872
when last taken out
present condition Good
working pressure 60 lbs.
No. of surface Blow off Cocks to each Boiler One to each Boiler

Can each Boiler be used separately Yes
What clear space between top of Boiler and woodwork 1 ft. 8 ins.
What clear space between Funnel and woodwork 3 ft. 2 ins.
Are Engine and Boiler Keelsons well connected fore and aft Yes

SCREW SHAFT length 55 ft. 6 ins diameter Propeller shaft 10" Remainder 9" Tunnel, thickness of plating Bottom 5/16" Top side 1/4" height 5 ft. 6 ins.
width 4 ft. 3 ins. if water-tight door on Engine Bulkhead. Yes.

Port Glasgow. 7. day of August 72

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel Elizabeth Martin belonging to W. Currie & Co whereof N. Duncan is Master, 124 1/2 Tons Register, and 130 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.

R. Napier & Sons
P. Bell
Marine Engineers.