

ENGINEER'S CERTIFICATE. ~~11620~~

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.

Compound, Surface condensing. Direct Acting. Inverted Cylinders Marine screw Engines.

ENGINES, maker of Macnair Donald & Co.

age of new

last time taken out new

present condition new

diameter of Cylinders 32" & 55"

length of stroke 33 inches

power of Engines About 65

of Screw "

rated power 135 H.P.

active power about 600 H.P.

diameter of Screw (or Paddle Wheels) 15 feet

pitch of Screw 16.3" to 17 ft

number of Blades (or Floats) four

description of Screw (or Floats) loose steel blades

securing down Bolts, size 1 1/4

present condition new

Bilge Pumps, No. (2) and size 3 1/2" dia.

Feed " No. (2) and size 3 1/2"

Spare gear, if usual quantity on board Vessel Usual quantity

Fuel, where stowed Starboard ship bunker

" space between Coal Bunkers and Boilers 8 feet 4 ins

" for what quantity is space provided

Donkey Engine and Boiler - Both

" if fitted in Engine Room or on Deck Engine room

" can pump be worked by hand No

" size of pump (4) and stroke 8 ins

" is hose of sufficient length to reach every part of the Vessel Yes

No. (2) and continuation of hand pumps, if fitted in Engine Room Yes.

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.

2 Tubular Boilers, 2 Furnaces in each Boiler, Superheated between Boilers, Fluid from forward end.

BOILER, maker of H. Wallace & Co.

age of new

when last taken out new

present condition new

working pressure 65 lbs

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 4 feet

What clear space between Funnel and woodwork 3 feet

Are Engine and Boiler Keelsons well connected fore and aft yes

SHAFT length 82' 6" diameter 9 in Tunnel, thickness of plating

width 5 feet if water-tight door on Engine Bulkhead. Yes.

height 5' 9"

Port of Greenock 25th day of April 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)

crew (or Paddle) Steam Vessel Ilidio Diniz belonging to Compania Proprieta
Caritimo do Porto is Master, 1107.42 Tons Register, and 135 H.P. have been
hereof

carefully inspected and examined by us at 44 & 55 Greenock and We found the

same, at this date, in good order and safe working condition.

Closed 11 July

Macnair Donald & Co.
Marine Engineers.