

11583 Iron

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.

Two in number of the ordinary oscillating type

ENGINES, maker of Mac Nat 160
age of made in 1860
last time taken out
present condition good
Diameter of Cylinder 43 inches
Length of stroke 48 inches
No. per minute of Engines thirty
of Screw
Estimated power 120 H.P. nominal
Effective power
Diameter of Screw (or Paddle Wheels) 16 feet 6 in
Pitch of Screw
No. of Blades (or Floats) nine
Description of Screw (or Floats) feathering
Holding down Bolts, size 1 1/4 diameter
present condition good

Bilge Pumps, No. (2) and size 6" diam
Feed ,, No. (2) and size 6" diam
Spare gear, if usual quantity on board Vessel on crank pin
Fuel, where stowed between Engines & Boilers
space between Coal Bunkers and Boilers 7 feet
for what quantity is space provided about 110 Tons
Donkey Engine and Boiler both
if fitted in Engine Room or on Deck Boiler on deck Engine below
can pump be worked by hand yes
size of pump (3 1/2) and stroke 8 inches
is hose of sufficient length to reach every part of the Vessel yes - 100 feet
No. (1) and continuation of hand In Engine room and worked from deck -

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 force, or after end of Boiler, &c.

One - ordinary return tubular Boiler - having four furnaces - and fired from forward End

BOILER, maker of Robert Steele 160
age of New
when last taken out
present condition New
working pressure twenty five pounds
No. of surface Blow off Cocks to each Boiler one

Can each Boiler be used separately only one
What clear space between top of Boiler and woodwork no wood work on top
What clear space between Funnel and woodwork six feet
Are Engine and Boiler Keelsons well connected fore and aft yes -

SCREW SHAFT length diameter Tunnel, thickness of plating height
width if water-tight door on Engine Bulkhead.

Port of Greenock 25th day of June 1873

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel St Clair of the Isles belonging to the Western Isles Steam Packet Co. whereof Duncan Colquhoun is Master, 225.58 Tons Register, and 120 H.P. have been carefully inspected and examined by me at Greenock and I found the same, at this date, in good order and safe working condition.

William Brunton
Robert J.
Marine Engineers.
Lloyd's Register Foundation

IRON 454-0350