

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.

Engines surface Condensing & Compound with direct acting inverted Cylinders

ENGINES, maker of Robear
age of New
last time taken out
present condition
Diameter of Cylinders 24 & 50
Length of stroke 33
No. per minute of Engines 60 & 65
of Screw
Estimated power
Effective power
Diameter of Screw (or Paddle Wheels) 11.6
Pitch of Screw 14 ft
No. of Blades (or Floats) 4
Description of Screw (or Floats) Expanding pitch
Holding down Bolts, size from 1 1/2 to 1 3/4
present condition

Bilge Pumps, No. ( 2 ) and size 4 1/4 dia
Feed ,, No. ( 2 ) and size 4 1/4 dia
Spare gear, if usual quantity on board Vessel yes
Fuel, where stowed along side boiler
space between Coal Bunkers and Boilers 6
for what quantity is space provided 165 tons
Donkey Engine and Boiler in stove hole
if fitted in Engine Room or on Deck Donkey Engine in Engine Room
can pump be worked by hand yes
size of pump ( 6 ) and stroke 8
is hose of sufficient length to reach every part of the Vessel yes
No. ( ) and continuation of hand pumps, if fitted in Engine Room Hand pump 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 Boilers of the Multitubular description with two fires in each fired from fore end

BOILER, maker of Robear
age of New
when last taken out
present condition
working pressure
of surface Blow off Cocks to each Boiler one surface and one Blow Cock to each Boiler
SHEW SHAFT length 85.4 diameter 8 5/8 Tunnel, thickness of plating 3/16 height 4.0
width 4.0 if water-tight door on Engine Bulkhead. yes

Can each Boiler be used separately yes
What clear space between top of Boiler and woodwork 4.6
What clear space between Funnel and woodwork 2.6
Are Engine and Boiler Keelsons well connected fore and aft yes

Port Sunderland 4 day of July 1875

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Quintavary" belonging to Bilbao whereof P. de Ansoleaga is Master, 563.66 Tons Register, and 100 H.P. have been carefully inspected and examined by me at Sunderland and I found the same, at this date, in good order and safe working condition.

W. Robear
Engineer
Lloyd's Register
Marine Engineers.