

Report No 3070

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.

Compound Engine with one high and one low pressure cylinder both inverted and direct acting

ENGINES, maker of Blair & Co new
age of
last time taken out
present condition
Diameter of Cylinder one 30 1/2 & one 61
Length of stroke 39
No. per minute of Engines about 60
of Screw
Estimated power 140 HP
Effective power about 500
Diameter of Screw (Paddle Wheels) 14-6
Pitch of Screw about 14 ft
No. of Blades (or Floats) 4
Description of Screw (or Floats)
Holding down Bolts, size 2 1/4
present condition new

Bilge Pumps, No. (2) and size 4 1/2 diam
Feed No. (2) and size 4 1/4
Spare gear, if usual quantity on board Vessel yes
Fuel, where stowed In bunkers
space between Coal Bunkers and Boilers 12
for what quantity is space provided
Donkey Engine and Boiler fitted on deck
Couple fitted in Engine Room
can pump be worked by hand yes
size of pump (7 1/2) and stroke 9 double acting
is hose of sufficient length to reach every part of the Vessel deck
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.

Two tubular boilers with three furnaces each Fired from forward

BOILER, maker of Blair & Co Ltd
age of new
when last taken out
present condition
working pressure 65 lbs
No. of surface Blow off Cocks to each Boiler 1 on surface & 1 bottom blow off
SCREW SHAFT length 20-4 diameter 10 3/4
width if water-tight door on Engine Bulkhead.

Can each Boiler be used separately yes
What clear space between top of Boiler and woodwork 2-9
What clear space between Funnel and woodwork 2-3
Are Engine and Boiler Keelsons well connected fore and aft yes

Port Great Northport day of May 10th 1872

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (Wood) Screw (Paddle) Steam Vessel Douglas belonging to G Pyman & Co whereof Ruby is Master, 872 Tons Register, and 140 H.P. have been carefully inspected and examined by us at Great Northport and we found the same, at this date, in good order and safe working condition.

Geo Blair & Co Ltd

Marine Engineers.

