

11787 Iron
Report No. 3212

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 Engines with direct acting inverted
Cylinders one High and one Low pressure

ENGINES, maker of Blair & Co.
,, age of new
,, last time taken out _____
,, present condition _____
Diameter of Cylinder 29 1/2" & 59"
Length of stroke 36"
No. per minute of Engines about 60
,, of Screw _____
Estimated power 1300HP
Effective power 520HP
Diameter of Screw (or Paddle Wheels) 14 ft
Pitch of Screw about 14 ft
No. of Blades (or Floats) 4
Description of Screw (or Floats) _____
Holding down Bolts, size 2" diam
,, present condition new

Bilge Pumps, No. (2) and size 4 1/2" diam
Feed ,, No. (2) and size 4 1/2" diam
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 Engine below
,, if fitted in Engine Room or }
on Deck } Boiler on deck
,, can pump be worked by hand yes
,, size of pump (7 1/2) and stroke 9" Double acting
There 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 each with three
furnaces fired from forward

BOILER, maker of Blair & Co.
,, age of new
,, when last taken out _____
,, present condition _____
,, working pressure 65 lbs
No. of surface Blow off Cocks to } 1 surface & 1 Bottom
each Boiler } blow off cocks
SCREW SHAFT length 20' 2" diameter 10" Tunnel thickness of plating _____ height _____
width _____ if water-tight door on Engine Bulkhead.

Can each Boiler be used separately yes
What clear space between top of }
Boiler and woodwork } 1' 6"
What clear space between Funnel }
and woodwork } 2' 3"
Are Engine and Boiler Keelsons }
well connected fore and aft } yes

Port of Stockton on Tees day of August 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Golden Horn" belonging to M. Gray whereof Marshall is Master, 1023 Tons Register, and 130 H.P. have been carefully inspected and examined by us at Stockton on Tees and we found the same, at this date, in good order and safe working condition.

Robt Blair & Co. Secs
W Blair
Marine Engineers.



Lloyd's Register
Foundation

IRON 455-0065