

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 *29½" & 59"*
Length of stroke *36"*
No. per minute of Engines *about 60*
,, of Screw
Estimated power *1300 HP*
Effective power *520 HP*
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 *4½" diam*
Feed ,, No. (*2*) and size *4½" 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 (*7½*) 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 force, 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 } *Surface & Bottom*
each Boiler } *blow off cocks*

SCREW SHAFT length *20' 2"* diameter *10"* Tunnel thickness of plating
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* 8 day of *August* 187*3*

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 *Mr 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. Sons &
W Blair
Marine Engineers.