

Report No 8170

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*
Pitch of Screw
Estimated power *130 H.P.*
Effective power *520 H.P.*
Diameter of Screw (or Paddle Wheels) *14 feet*
Pitch of Screw
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 *1½" diam*
Feed " No. (*2*) and size *1½" 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

OILER.—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.*

OILER, maker of *Muir & Co*
age of *new*
when last taken out
present condition
working pressure *65 lbs*
No. of surface Blow off Cocks to each Boiler *1 Surface & 1 bottom
blow off cock*
SCREW SHAFT length *21' 6"* 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 *2' 6"*
What clear space between Funnel and woodwork *2' 3"*
Are Engine and Boiler Keelsons well connected fore and aft *yes*
height

Port of *West Hartlepool* 15 day of *April* 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *S.S. "Luxor"* belonging to *Hamburg* whereof *C. Danielson* is Master, *821* Tons Register, and *130* H.P. have been carefully inspected and examined by us at *West Hartlepool* and we found the same, at this date, in good order and safe working condition.

Robt Blair & Co
W Blair
Marine Engineers.