

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.

John James
ENGINES, maker of *J. & S. Thomson*
,, age of *New*
,, last time taken out *"*
,, present condition *"*
Diameter of Cylinder *24" & 45"*
Length of stroke *26 1/2"*
No. per minute of Engines
,, of Screw
Estimated power *90 H.P.*
Effective power *about 480 H.P.*
Diameter of Screw (or Paddle Wheels) *11'-0"*
Pitch of Screw *15'-0"*
No. of Blades (or Floats) *4*
Description of Screw (or Floats) *Cast Iron*
Holding down Bolts, size *1 1/4"*
,, present condition *New*

Bilge Pumps, No. (*1*) and size *5" X 16 1/2"*
Feed ,, No. (*1*) and size *3 3/4" X 16 1/2"*
Spare gear, if usual quantity on board Vessel
Fuel, where stowed *Along side on Engines & Boilers and in front of Boilers*
,, space between Coal Bunkers and Boilers *8"*
,, for what quantity is space provided
Donkey Engine and Boiler *Yes*
,, if fitted in Engine Room or on Deck *Engine Room*
,, can pump be worked by hand *Yes*
,, size of pump (*2 1/2"*) and stroke *6"*
,, is hose of sufficient length to reach every part of the Vessel
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.

John James
BOILER, maker of *J. & S. Thomson*
,, age of *New*
,, when last taken out *"*
,, present condition *"*
,, working pressure *65 lbs*
No. of surface Blow off Cocks to each Boiler *1*

Can each Boiler be used separately *One Boiler*
What clear space between top of Boiler and woodwork
What clear space between Funnel and woodwork
Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *17'-11 3/4"* diameter *8 1/2"* Tunnel thickness of plating height *4'-0"*
width *3'-2"* if water-tight door on Engine Bulkhead.

Port of *Hurgen* 13 day of *May* 1875

Me hereby certify that the whole of the above Machinery and Boilers of the Iron (or Wood)
Screw (or Paddle) Steam Vessel *Sylphide* belonging to *Bergen*
whereof *B. Velliken* is Master, *509 1/2* Tons Register, and *90* H.P. have been
carefully inspected and examined by us at *Hurgen* and we found the
same, at this date, in good order and safe working condition.

John James Thomson
Thomson & Co. Marine Engineers
Lloyd's Register
Foundation