

11705 Iron

# 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.

ENGINES, maker of *W. Pile Ho*  
 „ age of *new*  
 „ last time taken out *never*  
 „ present condition *new*  
 Diameter of Cylinder *27" and 50"*  
 Length of stroke *36"*  
 No. per minute of Engines *65*  
 „ of Screw *same*  
 Estimated power *120 HP*  
 Effective power *600 HP*  
 Diameter of Screw (or Paddle Wheels) *12' 3"*  
 Pitch of Screw *15"*  
 No. of Blades (or Floats) *4*  
 Description of Screw (or Floats) *Ordinary*  
 Holding down Bolts, size *1 3/4*  
 „ present condition *good*

Bilge Pumps, No. ( *2* ) and size *4 1/2*  
 Feed „ No. ( *2* ) and size *4 1/2*  
 Spare gear, if usual quantity on } *yes*  
 board Vessel  
 Fuel, where stowed *in Side and Shaft Bunkers*  
 „ space between Coal Bunkers } *2' 6"*  
 and Boilers  
 „ for what quantity is space provided *110 tons*  
 Donkey Engine and Boiler *yes*  
 „ if fitted in Engine Room or } *in Boiler Room*  
 on Deck  
 „ can pump be worked by hand *yes*  
 „ size of pump ( *4"* ) and stroke *8"*  
 „ is hose of sufficient length to } *yes*  
 reach every part of the Vessel  
 No. ( ) and continuation of hand } *not continued*  
 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.

BOILER, maker of *W. Pile Ho*  
 „ age of *new*  
 „ when last taken out *never*  
 „ present condition *good*  
 „ working pressure *70 lbs*  
 No. of surface Blow off Cocks to } *2*  
 each Boiler }

Can each Boiler be used separately *yes*  
 What clear space between top of } *2'*  
 Boiler and woodwork  
 What clear space between Funnel } *4'*  
 and woodwork  
 Are Engine and Boiler Keelsons } *yes*  
 well connected fore and aft }

SCREW SHAFT length *19'* diameter *9 1/2"* Tunnel, thickness of plating *3/8* height *5' 6"*  
 width *3' 6"* if water-tight door on Engine Bulkhead. *yes*

Port of *Sunderland* 7<sup>th</sup> day of *August* 18<sup>83</sup>

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)  
 Screw (or Paddle) Steam Vessel *"Celestial"* belonging to *London*  
 whereof *Boole* is Master, *540.71* Tons Register, and *120* H.P. have been  
 carefully inspected and examined by *us* at our Works *Sunderland*, and *we* found the  
 same, at this date, in good order and safe working condition.

*W. A. Pile Ho*  
 Marine Engineers.

