

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.

Pair of Two Lower Condensing Engines

500

ENGINES, maker of *Thos Peppery Low Walker*
 „ age of *new*
 „ last time taken out
 „ present condition
 Diameter of Cylinders *28 in*
 Length of stroke *3 ft 10 in*
 No. per minute of Engines *46*
 „ of Screw
 Estimated power *fifty two HP*
 Effective power *220*
 Diameter of Screw (or Paddle Wheels) *14 ft 3*
 Pitch of Screw
 No. of Blades (or Floats) *100*
 Description of Screw (or Floats) *Leathering*
 Holding down Bolts, size *1 1/4*
 „ present condition *new*

Bilge Pumps, No. (*1*) and size *6 1/2 in*
 Feed „ No. (*1*) and size *6 1/2*
 Spare gear, if usual quantity on board Vessel } *yes*
 Fuel, where stowed *Side & End Bunkers*
 „ space between Coal Bunkers and Boilers } *6 ft*
 „ for what quantity is space provided *52 Tons*
 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 (*3 1/2*) and stroke *6 in*
 „ is hose of sufficient length to reach every part of the Vessel } *yes*
 No. (*1*) and condition of hand pumps, if fitted in Engine Room } *available new*

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.

2 Fine Boilers 2 fires in each No Superheating Fired from Fore end

BOILER, maker of *Thos Peppery Low Walker*
 „ age of *new*
 „ when last taken out
 „ present condition
 „ working pressure *20 lb*
 No. of surface Blow off Cocks to each Boiler *one*

Can each Boiler be used separately *no*
 What clear space between top of Boiler and woodwork } *9 in*
 What clear space between Funnel and woodwork } *12 in*
 Are Engine and Boiler Keelsons well connected fore and aft } *yes*

SCREW SHAFT length diameter Tunnel, thickness of plating height width if water-tight door on Engine Bulkhead

Port *Newcastle* *18th* day of *November* 18 *67*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~) *Steam Vessel* "*Achilles*" belonging to *Newcastle* whereof *is* Master, *35.50* Tons Register, and *50* H.P. have been carefully inspected and examined by *me* at *Low Walker* and I found the same, at this date, in good order and safe working condition.

Thos Peppery

