

# 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.

*Inverted Compound Direct Acting*

ENGINES, maker of *Hudson & Sons*  
 „ age of *New*  
 „ last time taken out *Never*  
 „ present condition *New*  
 Diameter of Cylinder *One 32" One 60"*  
 Length of stroke *3 feet*  
 No. per minute of Engines *65 Revolutions*  
 „ of Screw *Do*  
 Estimated power *160 H.P.*  
 Effective power *800 "*  
 Diameter of Screw (or Paddle Wheels) *13 ft*  
 Pitch of Screw *19 "*  
 No. of Blades (or Floats) *four*  
 Description of Screw (or Floats) *Disconnecting Blades*  
 Holding down Bolts, size *1 1/2 "*  
 „ present condition *New*

Bilge Pumps, No. ( *2* ) and size *4 "*  
 Feed „ No. ( *2* ) and size *4 "*  
 Spare gear, if usual quantity on board Vessel *Yes*  
 Fuel, where stowed *Bunkers*  
 „ space between Coal Bunkers and Boilers *12 "*  
 „ for what quantity is space provided *150 tons*  
 Donkey Engine and Boiler *Yes*  
 „ if fitted in Engine Room or on Deck *Fore Deck*  
 „ can pump be worked by hand *Yes*  
 „ size of pump ( *4* ) and stroke *8 "*  
 „ is hose of sufficient length to reach every part of the Vessel *Yes*  
 No. ( *1* ) and continuation of hand pumps, if fitted in Engine Room *Yes*

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.

*One Double Return Tubular Boiler 6 Furnaces with Steam Chests & fired fore & aft*

BOILER, maker of *Hudson & Sons*  
 „ age of *New*  
 „ when last taken out *Never*  
 „ present condition *New*  
 „ working pressure *65 lbs*  
 No. of surface Blow off Cocks to each Boiler *One*

Can each Boiler be used separately *—*  
 What clear space between top of Boiler and woodwork *12 "*  
 What clear space between Funnel and woodwork *12 "*  
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

CREW SHAFT length *70 ft* diameter *9 "* Tunnel, thickness of plating *3/8 + 1/4 "* height *5 ft*  
 width *3 ft* if water-tight door on Engine Bulkhead *Yes*

Port *Renfrew* 27<sup>th</sup> day of *February* 1873

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Westworth"* belonging to *Sydney* whereof *John Parker* is Master, *956* Tons Register, and *160* H.P. have been carefully inspected and examined by *us* at *Renfrew* and *we* found the same, at this date, in good order and safe working condition.

*Hudson & Sons*  
 Lloyd's Register  
 Marine Engineers.

IRON 453-0290