

14746.  
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 Cylinder Direct Acting, surface condensing  
Compound two cylinders.*

ENGINES, maker of *Kemp & Hume*  
,, age of *new*  
,, last time taken out  
,, present condition *good*  
Diameter of Cylinder *18 1/2" and 32"*  
Length of stroke *22"*  
No. per minute of Engines *85*  
,, of Screw *85*  
Estimated power *4 1/2*  
Effective power *1 1/2*  
Diameter of Screw (~~Paddle Wheels~~) *10'-0"*  
Pitch of Screw *10'-0"*  
No. of Blades (~~or Floes~~) *4 Blades*  
Description of Screw (~~or Floes~~) *Common*  
Holding down Bolts, size *1"*  
,, present condition *Good*

Bilge Pumps, No. ( *1* ) and size *2 3/4" x 13"*  
Feed ,, No. ( *1* ) and size *2 3/4" x 13"*  
Spare gear, if usual quantity on board Vessel *Yes*  
Fuel, where stowed *in Bunkers*  
,, space between Coal Bunkers and Boilers *6"*  
,, for what quantity is space provided *5.3 tons*  
Donkey Engine and Boiler *Yes*  
,, if fitted in Engine Room or on Deck *in Engine room*  
,, 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 *One hand pump 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.

*One Round tubular boiler, two furnaces, Fired from after end, no superheater.*

BOILER, maker of *Addison Hamilton & Barrie*  
,, age of *new*  
,, when last taken out  
,, present condition *Good*  
,, working pressure *65 lbs*  
No. of surface Blow off Cocks to *One*  
~~each~~ Boiler

Can each Boiler be used separately  
What clear space between top of Boiler and woodwork *four feet*  
What clear space between Funnel and woodwork *6"*  
Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *43 feet* diameter *6"* Tunnel thickness of plating *1/4"* height *24"*  
width *22"* if water-tight door on Engine Bulkhead. *stuffing box at bulkhead*

Port *Port Glasgow* 26<sup>th</sup> day of *June* 1875.

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~) Screw (~~or Paddle~~) Steam Vessel *Hibernian* belonging to *Messrs Paul & Mac Kenzie* whereof *Kearns* is Master, *202.46* Tons Register, and *1 1/2* H.P. have been carefully inspected and examined by *us* at *Port Glasgow* and *we* found the same, at this date, in good order and safe working condition.

*Kemp & Hume*  
Marine Engineers.



Lloyd's Register  
Foundation

IRON 462-0135