

12921 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.

*Inverted Direct Acting Surface Condensing
Two Cylinders.*

ENGINES, maker of *J. Hoeking*
,, age of *Ann*
,, last time taken out *—*
,, present condition *—*
Diameter of Cylinder's *29 ins*
Length of stroke *2 ft*
No. per minute of Engines *60*
,, of Screw *60*
Estimated power *40 HP*
Effective power *About 4 lines*
Diameter of Screw (~~or Paddle Wheel~~) *9 ft*
Pitch of Screw *12 ft*
No. of Blades (~~or Floats~~) *Three*
Description of Screw (~~or Floats~~) *Solid*
Holding down Bolts, size *1 3/8"*
,, present condition *Ann*

Bilge Pumps, No. (*1*) and size *4 ins*
Feed ,, No. (*2*) and size *4 ins*
Spare gear, if usual quantity on board Vessel *Yes*
Fuel, where stowed *Fore & aft bunkers*
,, space between Coal Bunkers and Boilers *2' 6"*
,, for what quantity is space provided *90 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 1/2"*) and stroke *8"*
,, is hose of sufficient length to reach every part of the Vessel
No. (*0*) 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.

*One Cylindrical. Tubular. Two furnaces
Fired from fore end of boiler.*

BOILER, maker of *W. J. Stanley*
,, age of *Ann*
,, when last taken out *—*
,, present condition *—*
,, working pressure *40 lbs*
No. of surface Blow off Cocks to each Boiler *one*
SCREW SHAFT length *6 3/4* diameter *10* Tunnel, thickness of plating *—* height *—*
width *—* if water-tight door on Engine Bulkhead.

Can each Boiler be used separately *—*
What clear space between top of Boiler and woodwork *3' 9"*
What clear space between Funnel and woodwork *No wood work near funnel*
Are Engine and Boiler Keelsons well connected fore and aft *Yes*

Port *London* *4th* day of *July* 18 *77*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (~~or Paddle~~) Steam Vessel *Caroline* belonging to *W. J. Stanley Esq.* whereof *W. R. Chambers* is Master, *402 54/100* Tons Register, and *40* H.P. have been carefully inspected and examined by *me* at *London* and *I* found the same, at this date, in good order and safe working condition.

T. Harrington 4/7/77
Marine Engineers.
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