

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.

*Direct Acting Compound Surface Condensing Principle
with Inverted Cylinders.*

ENGINES, maker of *Cuseburn Engine Works Co. Lim*
 „ age of *—*
 „ last time taken out *—*
 „ present condition *New*
 Diameter of Cylinder *32" and 60"*
 Length of stroke *36 inches*
 No. per minute of Engines *60 Rev*
 „ of Screw *60 "*
 Estimated power *150*
 Effective power *400*
 Diameter of Screw (or Paddle Wheels) *15 ft*
 Pitch of Screw *1 1/4*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *Solid*
 Holding down Bolts, size *29. 1 1/2" diam*
 „ present condition *New*

Bilge Pumps, No. (*Two*) and size *3 1/4" diam. 20" Stroke*
 Feed „ No. (*Two*) and size *3 1/4" " 20" "*
 Spare gear, if usual quantity on } *Yes*
 board Vessel
 Fuel, where stowed *Port and Starboard Bunkers*
 „ space between Coal Bunkers } *2 ft*
 and Boilers
 „ for what quantity is space provided
 Donkey Engine and Boiler *Donkey Engine*
 „ if fitted in Engine Room or } *Engine room*
 on Deck
 „ can pump be worked by hand *Yes*
 „ size of pump (*3 1/2"*) and stroke *8 inches Stroke*
 „ is hose of sufficient length to } *Yes*
 reach every part of the Vessel
 No. () 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.

*Two Cylindrical Multitubular Boilers. 3 Furnaces in each Boiler,
and fitted with Superheater in uptake. Fired from fore end of
Boilers*

BOILER, maker of *John Abbot & Co Lim*
 „ age of *New*
 „ when last taken out *—*
 „ present condition *—*
 „ working pressure *40 lbs*
 No. of surface Blow off Cocks to } *One*
 each Boiler

Can each Boiler be used separately *Yes*
 What clear space between top of } *4 ft*
 Boiler and woodwork
 What clear space between Funnel } *2' 9"*
 and woodwork
 Are Engine and Boiler Keelsons } *Yes*
 well connected fore and aft }

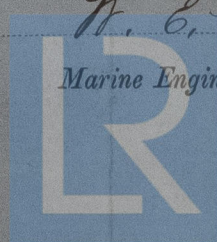
SCREW SHAFT length *103' 6"* diameter *9 1/2"* Tunnel thickness of plating *—* height *5' 3"*
 width *3' 9"* if water-tight door on Engine Bulkhead. *Yes*

Port *South Shields* 23rd day of *August* 18 *74*

we hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)
 Screw (or Paddle) Steam Vessel *"F. Vander Zeele"* belonging to *Cutwell*
 whereof *St. James Cappeville* is Master, *1113.5-9* Tons Register, and *150* H.P. have been
 carefully inspected and examined by *us* at *South Shields* and *we* found the
 same, at this date, in good order and safe working condition.

For the Cuseburn Engine Works Co. L^d
H. E. Burn

Marine Engineers.



Lloyd's Register
Foundation

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