

# 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 Oscillating Engines  
with two cylinders*

*Rev 30/8/75*

ENGINES, maker of *John Elder & Co*  
 „ age of *New*  
 „ last time taken out *—*  
 „ present condition *New*  
 Diameter of Cylinders *H.P. 41 ins L.P. 72 ins*  
 Length of stroke *5 feet*  
 No. per minute of Engines *about 35 Revs.*  
 of Screw *—*  
 Estimated power *220 H.P.*  
 Effective power *about 1100 SHP*  
 Diameter of ~~Screw~~ (or Paddle Wheels) *19' 7" over floats*  
 Pitch of Screw *—*  
 No. of ~~Blades~~ (or Floats) *9 in each wheel*  
 Description of ~~Screw~~ (or Floats) *Feathering*  
 Holding down Bolts, size *1 1/4" dia*  
 „ present condition *New*

Bilge Pumps, No. ( *2* ) and size *6 1/2" dia x 14 1/2" stroke*  
 Feed „ No. ( *2* ) and size *6 1/2" dia x 20 1/2" stroke*  
 Spare gear, if usual quantity on board Vessel *None*  
 Fuel, where stowed *Alongside of Boilers*  
 „ space between Coal Bunkers and Boilers *about 22 in*  
 „ for what quantity is space provided *about 40 tons*  
 Donkey Engine and Boiler *Yes*  
 „ if fitted in Engine Room or on Deck *Engine in Engine Room Boilers in Fore & Aft*  
 „ can pump be worked by hand *Fitted with Hand Pump additional*  
 „ size of pump ( *3 1/2" dia* ) and stroke *6" double acting*  
 „ is hose of sufficient length to 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 Tubular Boilers, fired from one end, fore and aft — No superheating apparatus*

BOILER, maker of *John Elder & Co*  
 „ age of *New*  
 „ when last taken out *—*  
 „ present condition *New*  
 „ working pressure *60 lbs*  
 No. of surface Blow off Cocks to each Boiler *One*

Can each Boiler be used separately *Yes*  
 What clear space between top of Boiler and woodwork *about 9 ins*  
 What clear space between Funnel and woodwork *Funnel is altogether above deck*  
 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 *Glasgow* 25<sup>th</sup> day of *August* 1875

*We* hereby certify, that the whole of the above Machinery and Boilers of the Iron *Paris* (or Wood) Screw (or Paddle) Steam Vessel *Paris* belonging to *Newhaven* whereof *Charles Frederick Payne* is Master, *483* Tons Register, and *220* H.P. have been carefully inspected and examined by *us* at *Glasgow* and *we* found the same, at this date, in good order and safe working condition.

*John Elder & Co*

Marine Engineers.