

13386 Lm

## 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.Compound, Direct Acting, Surface Condensing  
Screw Engines

ENGINES, maker of *The North Eastern Marine Engineering Co. Ltd.*  
 „ age of *New*  
 „ last time taken out  
 „ present condition  
 Diameter of Cylinder *35" x 63"*  
 Length of stroke *36"*  
 No. per minute of Engines *55*  
 „ of Screw *55*  
 Estimated power *200*  
 Effective power *140*  
 Diameter of Screw (or Paddle Wheel) *15' 2"*  
 Pitch of Screw *16' 0" & 18' 0"*  
 No. of Blades (or Floats) *4*  
 Description of Screw (or Floats) *Common screw*  
 Holding down Bolts, size *1 1/4" - No. of 28*  
 „ present condition *New*

Bilge Pumps, No. ( *2* ) and size *3 1/4" x 36"*  
 Feed „ No. ( *2* ) and size *3 1/4" x 36"*  
 Spare gear, if usual quantity on board Vessel *yes*  
 Fuel, where stowed *In fore & aft bunkers*  
 „ space between Coal Bunkers and Boilers *9"*  
 „ for what quantity is space provided *290 Tons*  
 Donkey Engine and Boiler *yes*  
 „ if fitted in Engine Room or on Deck *Engine room*  
 „ can pump be worked by hand *yes*  
 „ size of pump ( *4"* ) and stroke *6"*  
 „ is hose of sufficient length to reach every part of the Vessel *yes*  
 No. ( ) and continuation of hand pumps, if fitted in Engine Room

BOILER.—Here state description of Boiler, and No.; if Tubular, ~~or~~; No. of Furnaces; if fitted with superheating apparatus; if Fired  
athwartships, or from fore, or after end of Boiler, &c.Circular Multitubular Boilers, 2 Furnaces each.  
no superheater, Fired from forward end.

2 BOILERS, maker of *The N.E.M.E.C. Co. Ltd.*  
 „ age of *New*  
 „ when last taken out  
 „ present condition  
 „ working pressure *40 lbs*  
 No. of surface Blow off Cocks to each Boiler *1 Surface & 1 Bottom*

Can each Boiler be used separately *yes*  
 What clear space between top of Boiler and woodwork *2' 4 1/2"*  
 What clear space between Funnel and woodwork *2' 10 1/2"*  
 Are Engine and Boiler Keelsons well connected fore and aft *yes*

SCREW SHAFT length *118' 6"* diameter *10 1/4"* Tunnel thickness of plating *3/8* height *5' 9"*  
 width *4' 0"* if water-tight door on Engine Bulkhead. *yes*

Port *London* 10<sup>th</sup> day of *September* 18*74*

*Me* hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)  
 Screw (or Paddle) Steam Vessel *"Acton"* belonging to *London*  
 whereof *Young* is Master, *1065.73* Tons Register, and *200* H.P. have been  
 carefully inspected and examined by *us* at *London* and *W* found the  
 same, at this date, in good order and safe working condition.

For and on behalf of the North Eastern  
 Marine Engineering Company  
 Limited

Marine Engineers.

*Walter Beattie & Co.*  
 Lloyd's Register  
 Foundation

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