

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 Screw Engines

ENGINES, maker of *North Eastern Marine Engineering Co. Ltd.*
 Age of *New*
 Last time taken out *"*
 Present condition *"*
 Diameter of Cylinder *36"*
 Length of stroke *30"*
 Revolutions per minute of Engines *65*
 Diameter of Screw *65*
 Rated power *80*
 Indicated power *320*
 Diameter of Screw (or Paddle Wheels) *11 ft*
 Length of Screw *14 ft*
 Number of Blades (or Floats) *4*
 Description of Screw (or Floats) *Common*
 Diameter of Bolts, size *1 1/4"*
 Present condition *New*

Bilge Pumps, No. (*2*) and size *4" dia. x 30 stroke*
 Feed ,, No. (*2*) and size *3 1/2" x 30*
 Spare gear, if usual quantity on board Vessel } *Yes*
 Fuel, where stowed *Side bunkers*
 ,, space between Coal Bunkers and Boilers } *6 inches*
 ,, for what quantity is space provided *90 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 *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 } *Yes*

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 Tubular Boiler fitted with Superheater, having three Furnaces and fired from the after end.

BOILER, maker of *North Eastern Marine Engineering Co. Ltd.*
 ,, age of *New*
 ,, when last taken out *"*
 ,, present condition *"*
 ,, working pressure *40 lb*
 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 } *6"*
 What clear space between Funnel and woodwork } *12"*
 Are Engine and Boiler Keelsons well connected fore and aft } *Yes*
 SCREW SHAFT length *75 feet* diameter *8 1/4 inches* Tunnel, thickness of plating *5/16* height *4'6"*
 width *3'9"* if water-tight door on Engine Bulkhead. *Yes*

Port *Sundaland* *3rd* day of *September* 18 *by*

we hereby certify, that the whole of the above Machinery and Boilers of the Iron^d (or Wood) Screw (or Paddle) Steam Vessel "*Usurath*" belonging to *London* whereof *J. Staples* is Master, *3,30.00* Tons Register, and *80* H.P. have been carefully inspected and examined by us at *Newcastle on Tyne* and we found the same, at this date, in good order and safe working condition.

Brand on behalf of the North Eastern Marine Engineering Company Limited
 Lloyd's Register Marine Engineers.
Walter Sealby

356.44
167.74

524.18

524.18



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Foundation