

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.

A pair of inverted cylinders, Compound Engine fitted with Surface Condenser.

ENGINES, maker of *North Eastern Marine Engineering Co. Ltd.*
 „ age of *New*
 „ last time taken out *—*
 „ present condition *—*
 Diameter of Cylinder *32" x 60"*
 Length of stroke *33"*
 No. per minute of Engines *60*
 „ of Screw *60*
 Estimated power *~~110~~ 150*
 Effective power *560*
 Diameter of Screw (or Paddle Wheels) *13' 6"*
 Pitch of Screw *16"*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *Right handed true screw*
 Holding down Bolts, size *1 1/8 dia.*
 „ present condition *New*

Bilge Pumps, No. (*2*) and size *3 1/2" dia*
 Feed „ No. (*2*) and size *3 1/2" dia*
 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 *152 tons in engine boiler space 202 in Coal bunker.*
 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 Flues; No. of Furnaces; if fitted with superheating apparatus; if Fired athwartships, or from fore, or after end of Boiler, &c.

Two Multitubular Circular boilers, with two furnaces each, fired from forward end.

BOILER, maker of *North Eastern Marine Engineering Co. Ltd.*
 „ age of *New*
 „ when last taken out *—*
 „ present condition *—*
 „ working pressure *4 1/2 lbs*
 No. of surface Blow off Cocks to each Boiler *One end one bottom*

Can each Boiler be used separately *Yes*
 What clear space between top of Boiler and woodwork *4' 3"*
 What clear space between Funnel and woodwork *2' 3"*
 Are Engine and Boiler Keelsons well connected fore and aft *Yes*

SCREW SHAFT length *100'* - diameter *10"* Tunnel, thickness of plating *3/16"* height *8'*
 width *4'* if water-tight door on Engine Bulkhead *Yes*

Port *London* 22nd day of *October* 1873

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Good Hope* belonging to *San Luis 50th* whereof *R. Bainton* is Master, *1018.24* Tons Register, and *150* H.P. have been carefully inspected and examined by us at *London* and we found the same, at this date, in good order and safe working condition.

Witness our hand and seal of the North Eastern Marine Engineering Company Limited.
 Marine Engineers.