

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.

ENGINES, maker of *Nudson Boulton & Co.*
 „ age of *new*
 „ last time taken out *—*
 „ present condition *new*
 Diameter of Cylinder *one 60 inches one 30 inches*
 Length of stroke *3 feet*
 No. per minute of Engines *60*
 „ of Screw *60*
 Estimated power *150 H.P. nominal*
 Effective power *600*
 Diameter of Screw (or Paddle Wheels) *13 feet*
 Pitch of Screw *16 feet*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *moveable blades*
 Holding down Bolts, size *1 1/2 inches*
 „ present condition *new*

Bilge Pumps, No. (*1*) and size *6 inch*
 Feed „ No. (*2*) and size *4 inch*
 Spare gear, if usual quantity on board Vessel *yes*
 Fuel, where stowed *Bunkers*
 „ space between Coal Bunkers and Boilers *6 feet*
 „ for what quantity is space provided *150 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 inch double acting*
 „ 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 force, or after end of Boiler, &c.

No Boilers, proved, return tubular, two furnaces on each, superheating apparatus—fired from forward.

BOILER, maker of *Nudson Boulton & Co.*
 „ age of *new*
 „ when last taken out *—*
 „ present condition *new*
 „ working pressure *60 lb.*
 No. of surface Blow off Cocks to each Boiler *one for each*
 SCREW SHAFT length *70 feet* diameter *9 inch* Tunnel, thickness of plating *1/4* height *5 feet*
 width *18 inches* if water-tight door on Engine Bulkhead. *yes*

Can each Boiler be used separately *yes*
 What clear space between top of Boiler and woodwork *2 feet*
 What clear space between Funnel and woodwork *1 foot*
 Are Engine and Boiler Keelsons well connected fore and aft *yes*

Port *Reupen* *3rd* day of *October* 187*1*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *"Gorm" of Copenhagen* belonging to *W. H. H. Carl* whereof *H. H. Carl* is Master, Tons Register, and *150* H.P. have been carefully inspected and examined by *us* at *Reupen* and *we* found the same, at this date, in good order and safe working condition.

X: The "Gorm" Steam Ship Co. of Copenhagen

Nudson Boulton & Co.
 Marine Engineers.