

13799 Jan

S.S. Nautilus Report No 11011

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 inverted with 2 Cylinders

ENGINES, maker of *Groble & Co*
 „ age of *new*
 „ last time taken out *—*
 „ present condition *—*
 Diameter of Cylinder *26" & 44"*
 Length of stroke *33"*
 No. per minute of Engines *about 60*
 „ of Screw *—*
 Estimated power *about 350*
 Effective power *95 HP*
 Diameter of Screw (or Paddle Wheels) *—*
 Pitch of Screw *—*
 No. of Blades (or Floats) *4*
 Description of Screw (or Floats) *Expanding*
 Holding down Bolts, size *1 1/4 and 1 1/2*
 „ present condition *new*

Bilge Pumps, No. (*2*) and size *4 1/4*
 Feed „ No. (*2*) and size *4 1/4*
 Spare gear, if usual quantity on board Vessel *yes*
 Fuel, where stowed *in Bunkers*
 „ space between Coal Bunkers and Boilers *6"*
 „ for what quantity is space provided *—*
 Donkey Engine and Boiler *—*
 „ if fitted in Engine Room or on Deck *Donkey engine in Engine Room*
 „ can pump be worked by hand *(separate hand pump)*
 „ size of pump (*6"*) and stroke *10"*
 „ 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.

One multitubular 3 Furnaces, fired from fore end

BOILER, maker of *Groble & Co*
 „ age of *new*
 „ when last taken out *—*
 „ present condition *—*
 „ working pressure *65 lbs*
 No. of surface Blow off Cocks to each Boiler *one surface & one blow-off*
 SCREW SHAFT length *78' 2"* diameter *8 1/2 7/8* Tunnel thickness of plating *—* height *—*
 width *—* if water-tight door on Engine Bulkhead. *yes*

Can each Boiler be used separately *—*
 What clear space between top of Boiler and woodwork *—*
 What clear space between Funnel and woodwork *—*
 Are Engine and Boiler Keelsons well connected fore and aft *—*

Sunderland
 Port *Jan 15th* day of *7* 18*75*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *S.S. "Nautilus"* belonging to *Shm Navigation Co* whereof *—* is Master, *—* Tons Register, and *95* H.P. have been carefully inspected and examined by *me* at *Sunderland* and *I* found the same, at this date, in good order and safe working condition.

Groble & Co
Groble & Co

Marine Engineers.



Lloyd's Register
Foundation