

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 direct acting inverted cylinder engines converted into compound engines and fitted with surface condenser—

G. Clark but altered into compound surface condensing engines by the
 ENGINES, maker of *North Eastern Marine Engineering Co. (Ld)* Bilge Pumps, No. (*2*) and size *4"*
 „ age of *1872* Feed „ No. (*2*) and size *4"*
 „ last time taken out *1872* Spare gear, if usual quantity on } *Yes*
 „ present condition *As good as new—* board Vessel }
 Diameter of Cylinder *31" x 53"* Fuel, where stowed *Fore and aft bunkers—*
 Length of stroke *30"* „ space between Coal Bunkers } *9"*
 and Boilers }
 No. per minute of Engines *66 rev—* „ for what quantity is space provided
 „ of Screw *66 rev—* Donkey Engine and Boiler *Yes—*
 Estimated power *130* „ if fitted in Engine Room or } *Engine Room Boiler*
 on Deck } *(on deck—*
 Effective power *520* „ can pump be worked by hand *Yes—*
 Diameter of Screw (or Paddle Wheels) *13' 0"* „ size of pump (*4"*) and stroke *6"*
 Pitch of Screw *14' 0"* „ is hose sufficient length to } *Yes—*
 No. of Blades (or Floats) *4* reach } *Yes—*
 Description of Screw (or Floats) *Common screw* No. () and continuation of hand } *Yes*
 Holding down Bolts, size *1 1/2"* pumps, if fitted in Engine Room }
 „ present condition *New*

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 circular multitubular boilers with two furnaces each—
Fired from forward end—

BOILER, maker of *North Eastern Engineering Co. (Limited)* Can each Boiler be used separately *Yes—*
 „ age of *New—* What clear space between top of } *6' 9"*
 „ when last taken out *"* Boiler and woodwork }
 „ present condition *"* What clear space between Funnel } *2' 0"*
 and woodwork }
 „ working pressure *70 lbs—* Are Engine and Boiler Keelsons } *Yes—*
 No. of surface Blow off Cocks to } *1 surface 1 bottom blow off* well connected fore and aft }
 each Boiler }
 SCREW SHAFT length diameter *4"* Tunnel, thickness of plating height
 width if water-tight door on Engine Bulkhead. *Yes—*

Port *San Pedro* 23rd day of *Sept* 1872

W. O. hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood)
 Screw (or Paddle) Steam Vessel *Achilles* belonging to
 whereof *W. O.* is Master, Tons Register, and *130* H.P. have been
 carefully inspected and examined by *W. O.* at *San Pedro* and *W. O.* 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 Sealby