

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 engine with Direct acting Inverted Cyl^{rs}
one high and one low pressure Cyl^{rs}

ENGINES, maker of *Blair's*
" age of *new*
" ~~last time taken out~~
" ~~present condition~~
Diameter of Cylinder *one 28" & one 56 1/2"*
Length of stroke *36"*
No. per minute of Engines *about 60*
" ~~of Screw~~
Estimated power *120*
Effective power *about 480, 1/2*
Diameter of Screw (~~or Paddle Wheel~~) *13-6*
Pitch of Screw *about 14-0"*
No. of Blades (~~or Floats~~) *4*
Description of Screw (~~or Floats~~) *"*
Holding down Bolts, size *3 1/4 diam 1/2*
" present condition *new*

Bilge Pumps, No. (*2*) and size *4 1/4 diam 1/2*
Feed " No. (*2*) and size *4 1/4 diam 1/2*
Spare gear, if usual quantity on board Vessel *yes*
Fuel, where stowed *In Bunkers*
" space between Coal Bunkers and Boilers *12"*
" for what quantity is space provided *85 Tons*
Donkey Engine and Boiler *both fitted below*
" if fitted in Engine Room or on Deck
" can pump be worked by hand *yes*
" size of pump () and stroke
There is hose of sufficient length to reach every part of the Vessel *deck*
No. () and continuation of hand pumps, if fitted in Engine Room *3 Pumps of 6" Diam one of which is 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 tubular Boilers with *4* furnaces each
fired from Forward

BOILER, maker of *Blair's*
" age of *new*
" ~~when last taken out~~
" ~~present condition~~
" working pressure *70 lbs*
No. of surface Blow off Cocks to each Boiler *1 surface & 1 bottom*
SCREW SHAFT length *18-9"* diameter *9 3/4"*
width *20" clear* of water-tight door on Engine Bulkhead.

Can each Boiler be used separately *yes*
What clear space between top of Boiler and woodwork *about 4'-0"*
What clear space between Funnel and woodwork *2'-3"*
Are Engine and Boiler Keelsons well connected fore and aft *yes*
Tunnel, thickness of plating *4/16"* height *5 ft*

Port *Stockton* 30th day of *March* 18 *72*

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~) Screw (~~or Paddle~~) Steam Vessel *Albatross* belonging to *Gustav Meyer* is Master, *120* Tons Register, and *120* H.P. have been carefully inspected and examined by *us* at *Stockton* and *we* found the same, at this date, in good order and safe working condition.

Pro Blair's
Blair's
Marine Engineers.