

Iron No 13204 No 22479

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

Returned from Post 27/11/95

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.

Two cylinders inverted Direct acting

ENGINES, maker of *Samuel Baker*
,, age of *oil Street Liverpool*
,, last time taken out *quite new*
,, present condition *quite new*
Diameter of Cylinder *15 1/2 inches direct acting*
Length of stroke *20 do inverted*
No. per minute of Engines *75 strokes*
,, of Screw *do*
Estimated power *20 H.P.*
Effective power *about 60*
Diameter of Screw (or Paddle Wheels) *6 1/2 feet screw*
Pitch of Screw *forteen feet*
No. of Blades (or Floats) *four*
Description of Screw (or Floats) *Cast Iron*
Holding down Bolts, size *1 1/4 inches*
,, present condition *new*

Bilge Pumps, No. (*2*) and size *2 1/2 inches*
Feed ,, No. (*2*) and size *2 1/2 inches*
Spare gear, if usual quantity on board Vessel
Fuel, where stowed *in the Bunkers*
,, space between Coal Bunkers and Boilers *about four inches*
,, for what quantity is space provided *Fifteen Tons*
Donkey Engine and Boiler *One Engine & One Boiler*
,, if fitted in Engine Room or on Deck *Donkey Engine fitted in Cabin Room*
,, can pump be worked by hand *one in Cabin hold*
,, size of pump (*5 in*) and stroke *12 in*
,, is hose of sufficient length to reach every part of the Vessel
No. () and continuation of hand pumps, if fitted in Engine Room
putted close to Ships side accessible

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.

Tubular Boiler with two Furnaces. No Superheater. fired from after end of Boiler.

BOILER, maker of *Samuel Baker*
,, age of
,, when last taken out *quite new*
,, present condition *quite new*
,, working pressure *Twenty five pounds*
No. of surface Blow off Cocks to each Boiler *one*
SCREW SHAFT length *fifteen feet* diameter *4 1/2 inch* Tunnel, thickness of plating *none* height
width *if water-tight door on Engine Bulkhead.*

Can each Boiler be used separately *only one Boiler*
What clear space between top of Boiler and woodwork *about six inches*
What clear space between Funnel and woodwork *about fifteen inches*
Are Engine and Boiler Keelsons well connected fore and aft *well connected fore and aft*

Port *Liverpool* 27 day of *Sept* 18 *70*

I hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel *Maggie* belonging to whereof *is Master,* Tons Register, and *20* H.P. have been carefully inspected and examined by *me* at *Liverpool* and *I* found the same, at this date, in good order and safe working condition.

Samuel Baker
Marine Engineers.