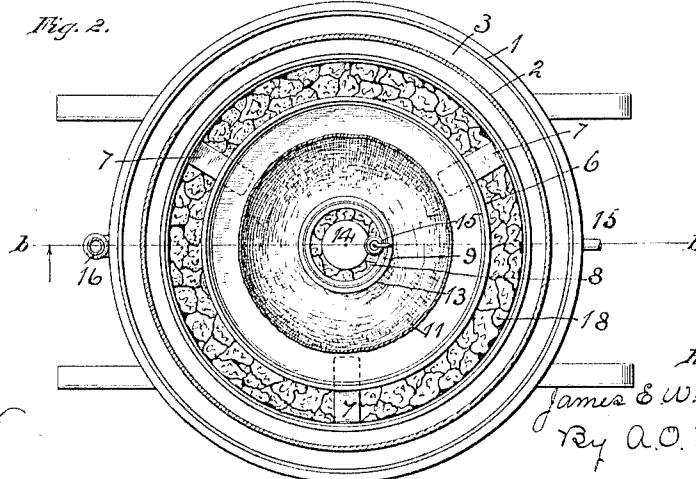
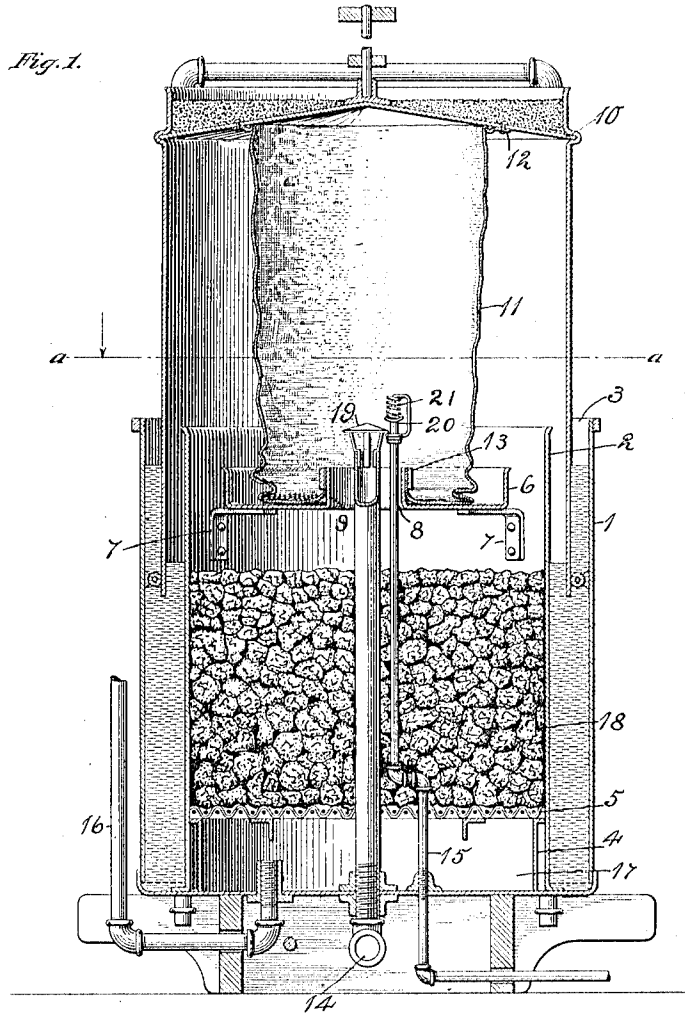


J. E. WHITACRE.
CARBURETER.

APPLICATION FILED MAR. 11, 1912.

1,063,900.

Patented June 3, 1913.



Witnesses:

W. L. Kow.
E. Behl.

Inventor:

James E. Whitacre
By A. O. Behl
Atty.

UNITED STATES PATENT OFFICE.

JAMES E. WHITACRE, OF ROCKFORD, ILLINOIS.

CARBURETER.

1,063,900.

Specification of Letters Patent.

Patented June 3, 1913.

Application filed March 11, 1912. Serial No. 683,074.

To all whom it may concern:

Be it known that I, JAMES E. WHITACRE, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Carbureters, of which the following is a specification.

The object of this invention is to construct a carbureter for carbureting apparatus, and comprises a fabric having one end connected to the movable dome and its other end connected to a pan in order that any gasolene accumulating in the pan will be taken up by the fabric and vaporized by the incoming air.

In the accompanying drawings, Figure 1 is a section on line *b b* Fig. 2. Fig. 2 is a section on line *a a* Fig. 1.

The carbureter comprises the outer receptacle 1 within which is secured an inner wall 2 forming a water space 3 between them. To the inner wall is secured a support 4 on which is located a perforated plate 5. To the inner wall 2 near its upper end is secured a pan 6 by the lugs 7. This pan has a central opening 8 formed by the rim 9.

To the top 10 of the dome is secured one end of a fabric tube 11 by the ring plate 12. The lower end of the fabric tube is connected to the rim 9 by the collar 13.

An air inlet pipe 14 extends through the opening 8 in the pan 6 and carries a deflector hood 19, located above the top of the opening 8, and a gasolene supply pipe 15 is located alongside of the air inlet pipe. The opening of the oil inlet pipe is a little above the deflector hood 19, and has a cap 20 covering said opening and held yieldingly in position by the coiled spring 21.

A carbureted air supply pipe 16 has one end communicating with the space 17 between the bottom of the outer casing and the perforated plate 5 and extends to the point of use. Air is forced through the air inlet tube by any suitable means, and gasolene is forced through the supply pipe 15.

Suitable filtering material 18 is located on the shelf.

In use if any excess of gasolene be injected into the space within the tube, it will fall into the pan, and as the dome lowers the tube will fold within the pan and gather up the gasolene which is mixed with the incoming air and thoroughly vaporized. The carbureted air then passes through the filtering material into the space 17 and passes by the pipe 16 to the point of use.

I claim as my invention.

1. A carbureter comprising an outer casing, an inner wall, a dome movable between the casing and wall, a pan supported within the inner wall, an air supply-pipe and gasolene supply-pipe extending through said pan, a fabric partition having one end secured to the dome and the other end located in the pan and forming an inclosure for said supply-pipes, and a carbureted air delivery pipe communicating with the chamber formed by the inner wall.

2. A carbureter comprising an outer and inner casing, forming a circumferential chamber, adapted to contain a liquid, a dome movable in said chamber, a pan supported within the inner casing, air and gasolene supply-pipes extending through said pan, a fabric partition having one end secured to the dome and the other end located in the pan, forming an inclosure for the supply-pipes and adapted to conform to the elevating and lowering of said movable dome, and a carbureted air delivery pipe communicating with the inner casing.

3. A carbureter comprising a casing forming a filtering receptacle, a liquid containing chamber surrounding said receptacle, a dome movable in said chamber, an inclosure formed of fabric sides having a support fixed to said receptacle and having its upper end attached to said dome, the inclosure adapted to conform to the movement of said dome, air and gasolene intake-pipes adapted to discharge within said inclosure, and a carbureted-air discharge pipe communicating with said filtering receptacle.

4. A carbureter comprising a filtering receptacle, a gas accumulating chamber beneath said receptacle, a liquid containing

chamber surrounding said receptacle, a
dome movable in said chamber, a pan sup-
ported by said filtering receptacle, a tube
formed of fabric having one end secured to
5 the dome and its other end located in said
pan, air and gasolene intake pipes adapted
to discharge within said tube, and a car-

bureted-air discharge pipe communicating
with the carbureted air accumulating cham-
ber.

JAMES E. WHITACRE.

Witnesses:

A. O. BEHEL,

E. D. E. N. BEHEL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
