G. E. McFADDIN.

Apparatus for Carbureting Air and Gas.

No. 151,896. Patented June 9, 1874.

Fig. 1

Fig. 2

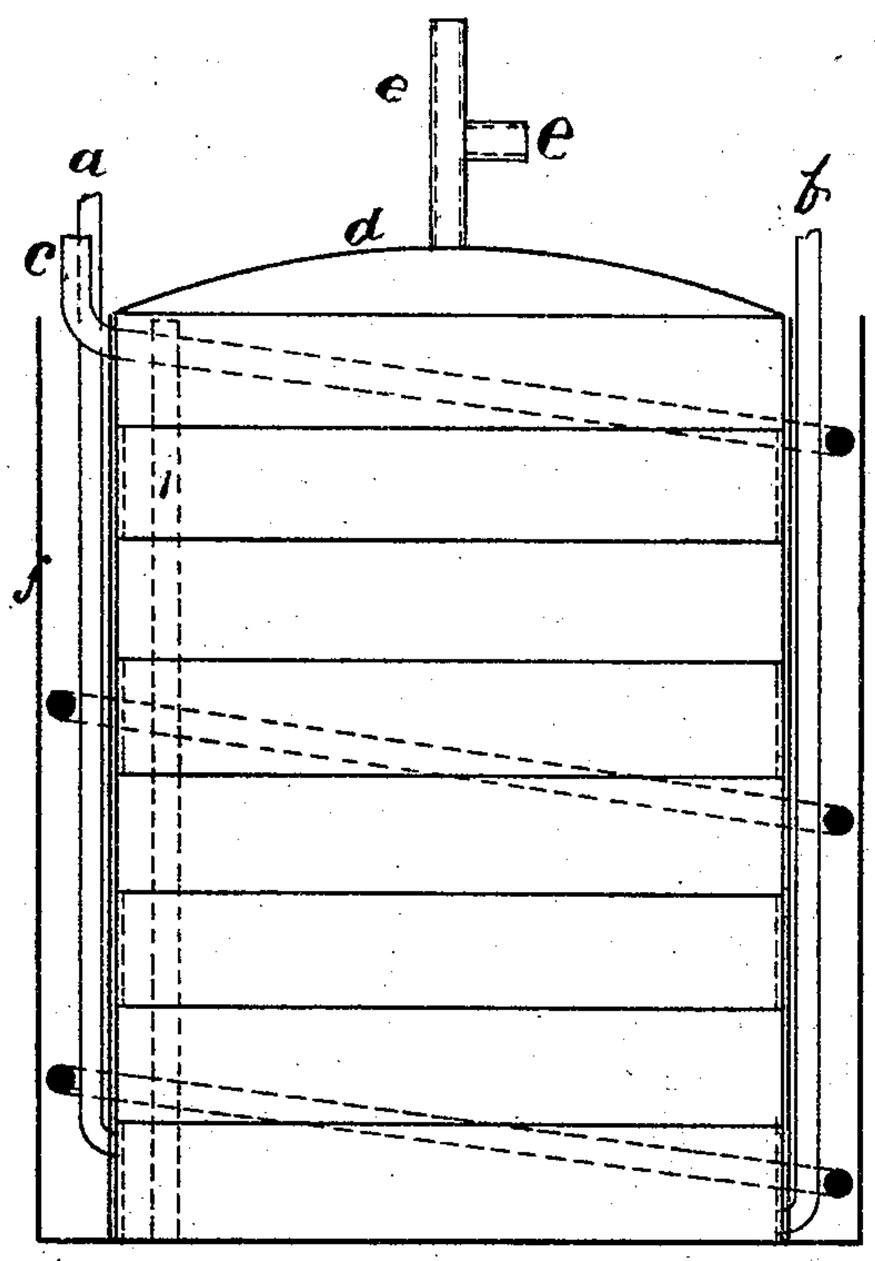


Fig. 3

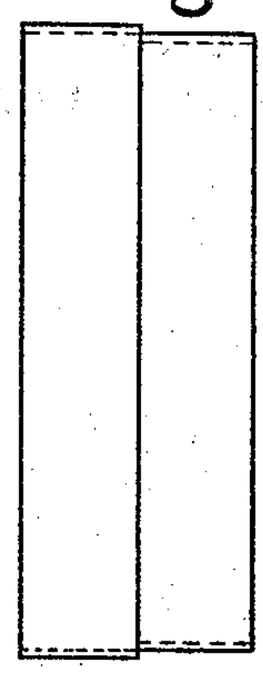


Fig. 4

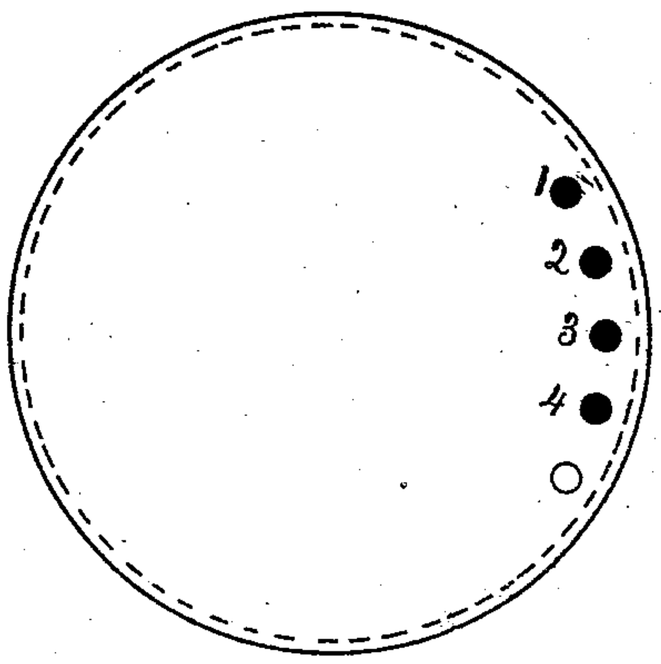
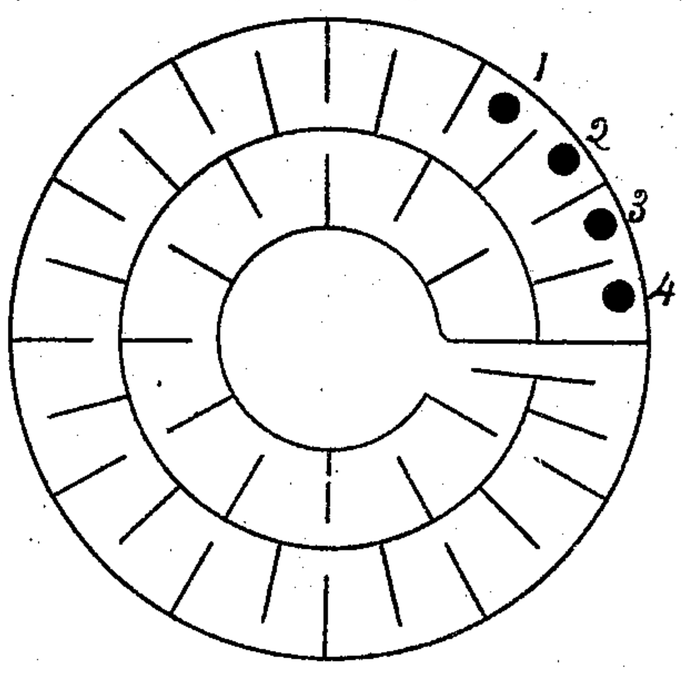


Fig. 5



Attest
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UNITED STATES PATENT OFFICE.

GEORGE E. McFADDIN, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN W. McFADDIN.

IMPROVEMENT IN APPARATUS FOR CARBURETING AIR AND GAS.

Specification forming part of Letters Patent No. **151,896,** dated June 9, 1874; application filed May 18, 1874.

To all whom it may concern:

Be it known that I, GEORGE E. McFADDIN, of the city of Cincinnati, Ohio, have invented a Gas-Machine, of which the following is a specification:

In the drawing annexed, Figure 1 is a front view of the machine when together for operation. Fig. 2 is what I call the indicator. Fig. 3 shows the form of the cup with flanges to hold them in place.

The ring is so made as to receive the original cups, as shown in Figs. 4 and 5, and when set into one another they form a series of cups, in which the gas is formed, inside of the case *d*, which is placed inside of the outer case F, with the coiled pipe C running between them from the top to the bottom, for the purpose of forcing steam or hot air in between the two cases to warm the gasoline in winter. After thus put together the space between the two upright tanks is filled with cement.

Fig. 4 is a top view of the cup and ring. Fig. 5 shows the under side of the cup with the holes 1, 2, 3, and 4, through which the indicator-tubes pass, as shown at 1 in Fig. 1, and the wings with spaces, into which is put wire-gauze, which is wound with canton flannel, through which is forced the air.

The wings are so arranged as to reverse circuit from the center to the outer diameter of the cups. The holes through which the indicator-tubes run will correspond to the number of cups used, as only one pipe will enter a cup. All the pipes will be long enough to come above the top of the cup, so that, by taking the cap *d* off the indicator, Fig. 2, which has upon its lower end one or more cups at the top, by putting indicator into any one of the tubes, the amount of gasoline may be known.

The pipe A is the air-pipe. The pipe *b* is the pump-pipe. One of the pipes *e* is a fill-pipe. The other pipe *e* is a vent.

I claim as my invention—

1. The indicating-tubes, in combination with the indicating cup or cups, Fig. 2.

2. The above gas-machine, consisting of winged cups and the inner casing for holding them, in combination with the worm-pipe C and the outer casing *f*.

GEO. E. McFADDIN.

Attest:

GEO. P. BROWN,

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