

W. F. WARSTLER.

CARBURETER.

APPLICATION FILED JULY 18, 1908.

915,132.

Patented Mar. 16, 1909.

Fig. 1.

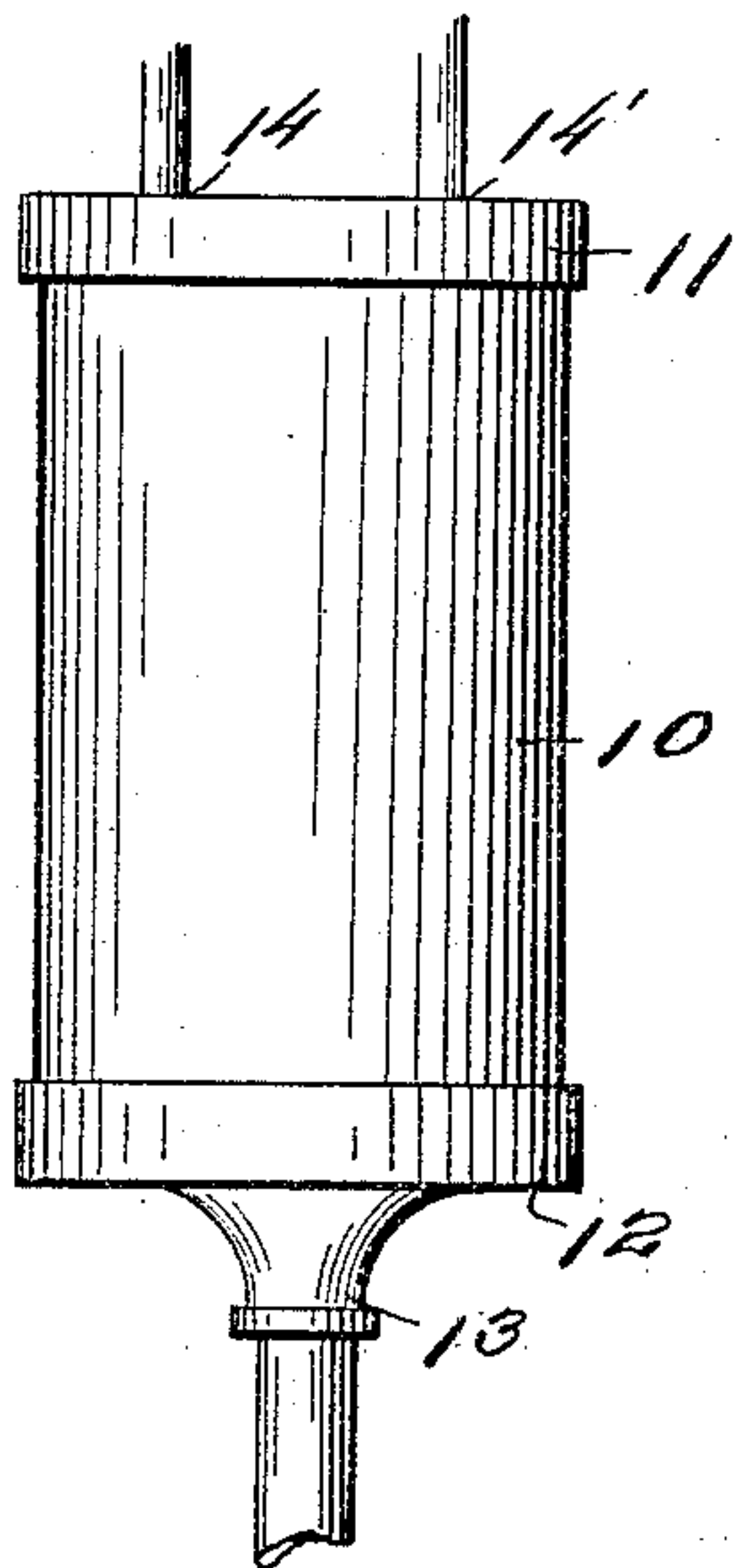


Fig. 2.

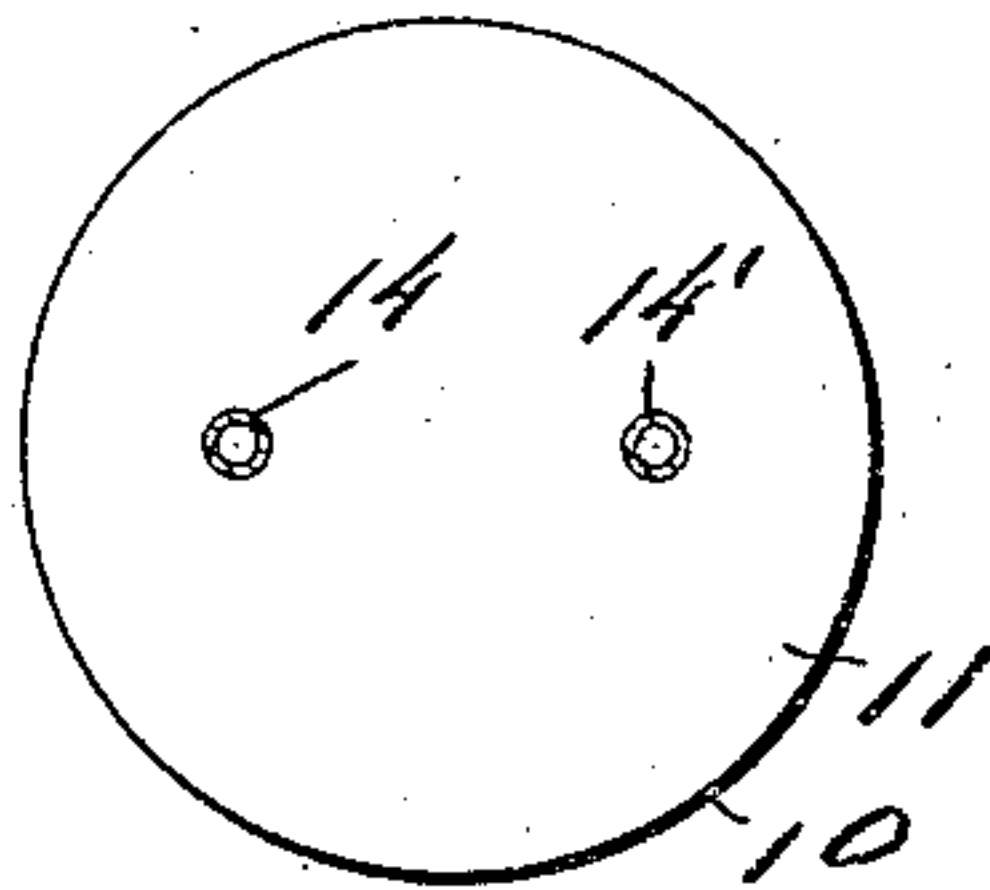


Fig. 4.

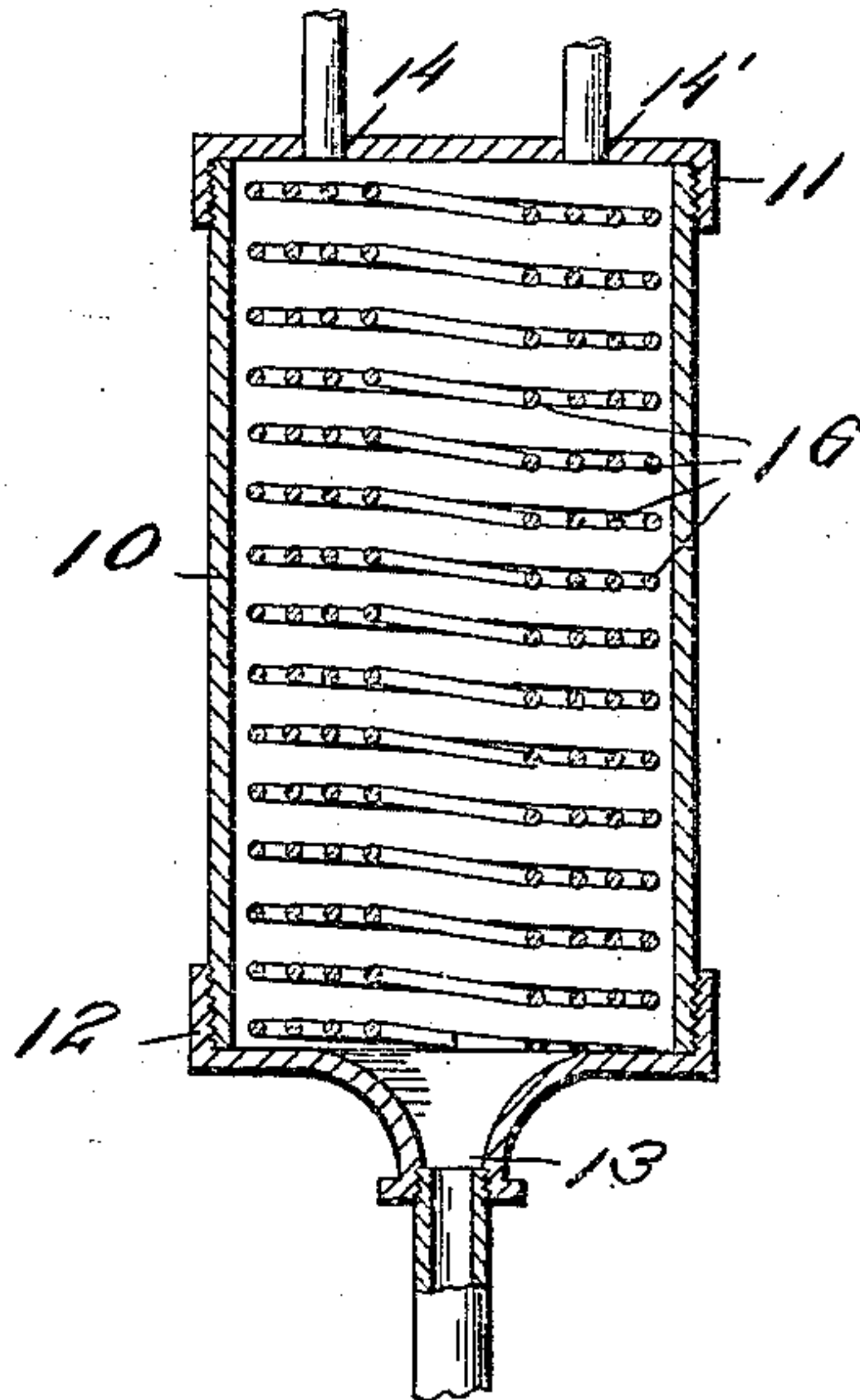
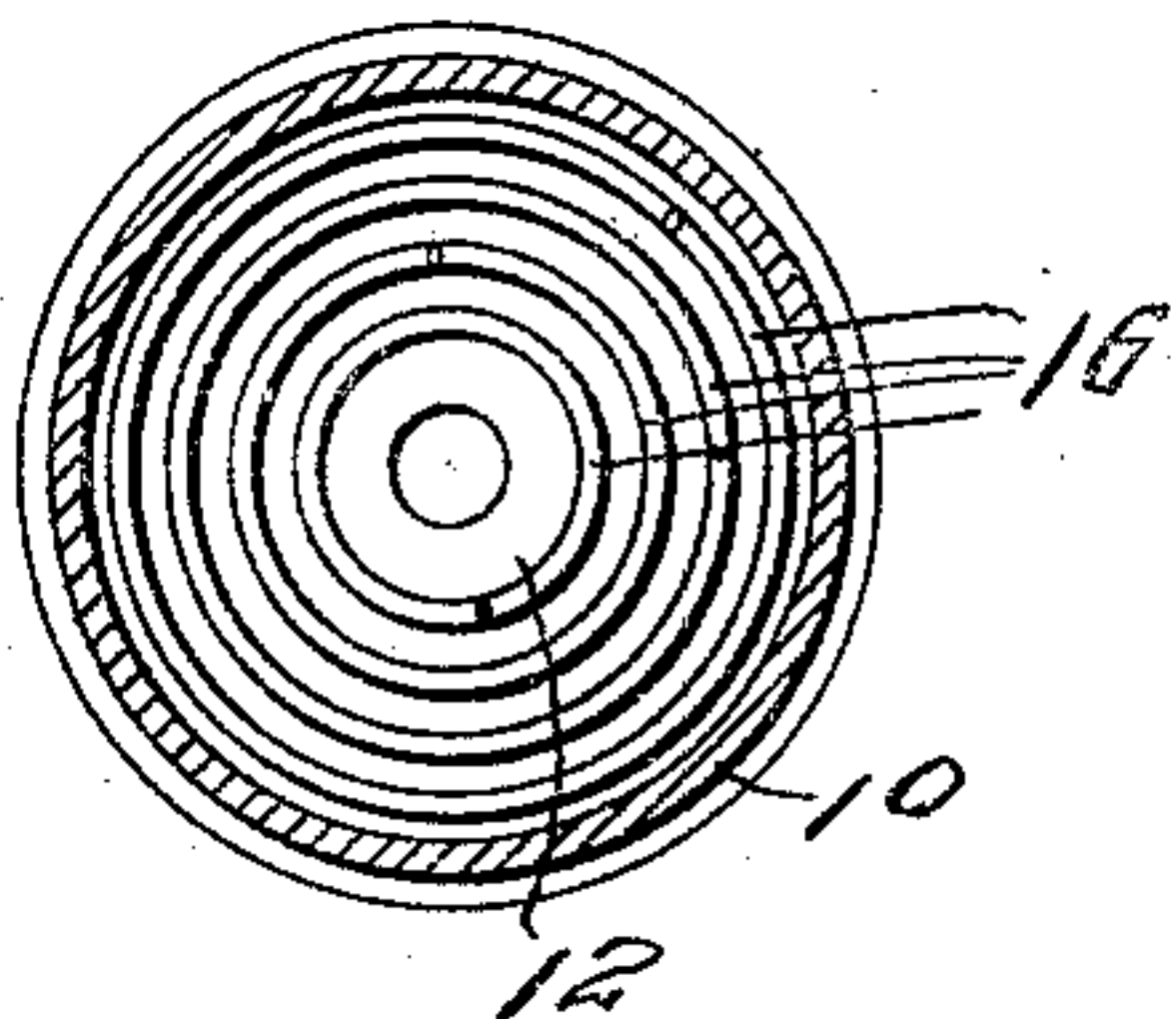


Fig. 3.



Witnesses

L. A. Armstrong
E. L. Chandler

Inventor

W. F. Warstler,

By *Woodward & Chandler*

Attorneys

UNITED STATES PATENT OFFICE.

WILLARD F. WARSTLER, OF GOSHEN, INDIANA.

CARBURETER.

No. 915,132.

Specification of Letters Patent.

Patented March 16, 1909.

Application filed July 18, 1908. Serial No. 444,168.

To all whom it may concern:

Be it known that I, WILLARD F. WARSTLER, a citizen of the United States, residing at Goshen, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Carbureters, of which the following is a specification.

This invention relates to hydro-carbon engines, and more particularly to carbureters, and has for its object to provide a simple and inexpensive device for mixing air and liquid fuel.

Another object is to provide such a device having a large evaporating surface for the reception of liquid fuel to be brought into contact with air passing through the carbureter.

Another object is to provide such a carbureter which may be made of simple elements formed of stock material.

Other objects and advantages will be apparent from the following description, and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims and that any suitable materials may be used without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side view of the device, Fig. 2 is a top view of the device, Fig. 3 is a top view of the device with the top removed, Fig. 4 is a vertical sectional view of the device.

Referring to the drawings, there is shown a carbureter comprising a barrel 10 having a top 11 in threaded engagement thereon, and having a centrally perforated bottom 12 similarly engaged thereon and provided with a pipe engaging portion 13, as

shown. The top 11 is provided with two openings 14 and 14' therethrough interiorly threaded for the reception of fuel and air supply pipes. Disposed concentrically within the barrel portion 10 there are a plurality of coils of wire 16 disposed one within the other, in close spaced relation, and adapted to receive gasoline thereon when fed through the opening 14, to be evaporated and absorbed by air passing therethrough from the opening 14'. The coils are so disposed that the spaces between any two laterally adjacent portions of wire will be backed by another portion of wire, so that liquid displaced from the upper portion of the coils will be caught on lower ones and then spread for contact with air.

It will be understood that suitable regulating means may be attached to the carbureter for governing the supply of fuel and air admitted thereto.

What is claimed is:

1. A carbureter comprising a barrel portion having a plurality of coils of wire disposed concentrically therein, and means carried by said barrel for engaging fuel and air supply pipes and connections for motor gas supply pipes.

2. An article of the class described comprising a barrel portion, a plurality of coils of wire disposed within said barrel, a removable top disposed upon one end of said barrel, said top carrying liquid fuel and air supply connections, and a bottom carried by said barrel having means thereon for engaging with gas supply pipes.

In testimony whereof I affix my signature, in presence of two witnesses.

WILLARD F. WARSTLER.

Witnesses:

L. BURR WHIPPY,
RAY DEAHL.