F. SVAGELL.

CARBURETER.

APPLICATION FILED APR. 9, 1909.

928,710.

Patented July 20, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

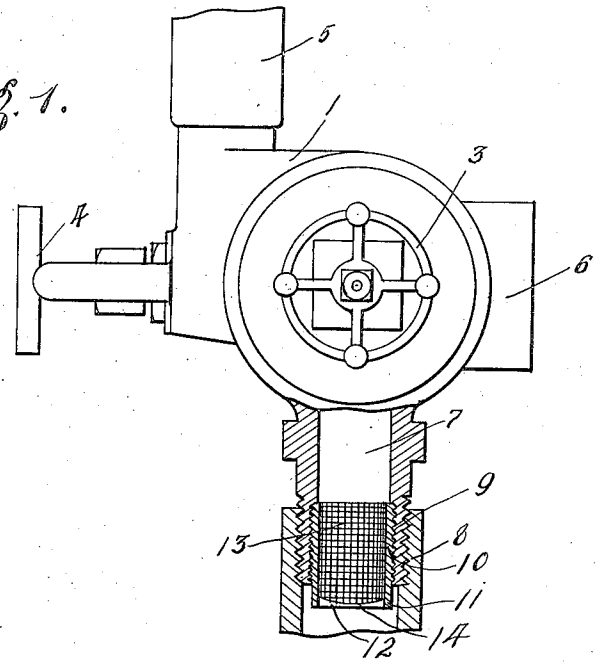
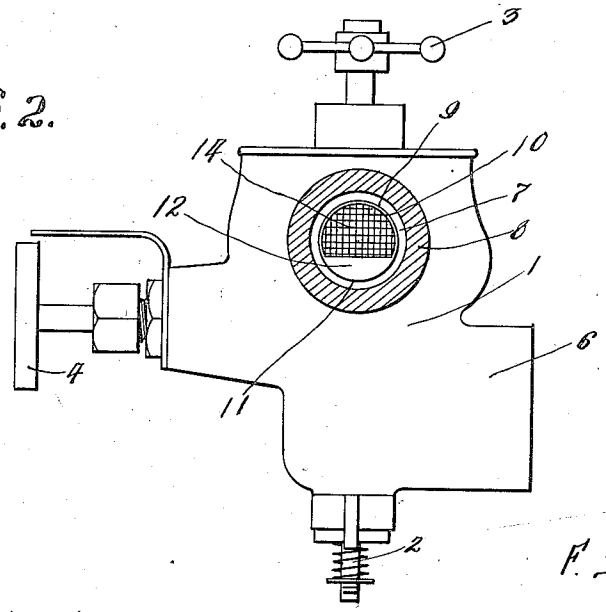


Fig. 2.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

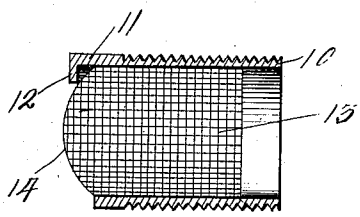


Fig. 4.

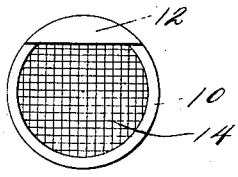


Fig. 5.

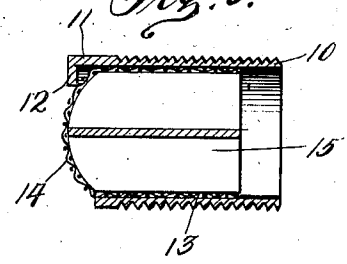


Fig. 6.

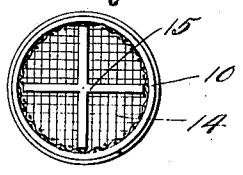
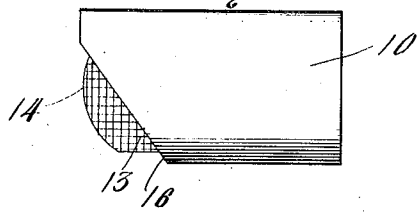


Fig. 7.



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UNITED STATES PATENT OFFICE.

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CARBURETER.

No. 928,710. Specification of Letters Patent. Patented July 20, 1909.

Application filed April 9, 1909. Serial No. 488,869.

To all whom it may concern:

Be it known that I, FRANK SVAGELL, a subject of the King of Hungary, residing at Verona, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Carbureters, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to carbureters, and the object of my invention is to provide simple and effective means in connection with a carbureter for preventing foreign and solid matter from entering a cylinder of an engine.

My invention aims to provide an attachment that can be easily secured to a carbureter particularly an automobile carbureter, for preventing foreign matter from passing into a cylinder of an engine and eventually retarding the movement of the piston therein.

My invention aims to prevent foreign matter from entering the cylinder by providing a carbureter with a screen or sieve detachably mounted in the carbureter whereby the same cannot be blown into the cylinder of the engine.

The carbureter attachment will be hereinafter described in detail and then specifically pointed out in the appended claims, and reference will now be had to the drawings forming part of this application, wherein there is illustrated the preferred embodiments of the invention, but it is to be understood that the structural details thereof can be varied or changed without departing from the spirit or scope of the invention.

In the drawings, Figure 1 is a plan partly in section of a carbureter provided with my attachment, Fig. 2 is a sectional side elevation of the same, Fig. 3 is an enlarged longitudinal sectional view of the attachment, Fig. 4 is an end view of the same, Fig. 5 is a longitudinal sectional view of a modified form of attachment, Fig. 6 is an end view of the same, and Fig. 7 is a side elevation of a still further modified form of attachment.

In the accompanying drawings, I have illustrated that type of automobile carbureter commonly known as, "The Lunkenheimer", said carbureter comprising a valve body 1, having a spring held valve flange 2, a valve lock 3, a regulator 4, inlet connections 5 and 6 and an outlet pipe 7 adapted to be connected by a pipe 8 to the cylinder of an engine. These elements are common to most every carbureter and therefore form no part of my invention.

My invention resides in providing the outlet pipe 7 with interior screw threads 9 for an exteriorly threaded sleeve 10, said sleeve having the outer end thereof provided with an extension 11 having a depending sector-shaped flange 12. Mounted in the sleeve 10 is a cylindrical wire screen or sieve 13 having a round closed end 14 adapted to engage the flange 12, said flange preventing the screen or sieve from being blown into the pipe 8.

A modified form of screen or sieve is shown in Figs. 5 and 6, wherein the screen or sieve is provided with longitudinal right angular partitions 15 for preventing the screen or sieve from collapsing.

A modification of the sieve 10 is shown in Fig. 7, wherein the exterior threads thereof are dispensed with, and the outer end of the sleeve cut at an angle, as at 16, exposing the greater portion of the screen or sieve 13 and thereby providing a greater outlet for gasolene. The mesh of the screen or sieve is sufficiently fine to collect foreign matter in gasolene, and by detachably mounting the sleeve 10 in the outlet pipe 7, the screen or sieve can be removed and cleaned. The sleeve 10 is preferably made of metal, while the screen or sieve 13 is made of fine wire.

Having now described my invention, what I claim as new, is;—

1. In a carbureter, the combination with the outlet pipe thereof, of a cylindrical screen having a closed end, and means surrounding said screen and engaging the closed end thereof for retaining said screen in said outlet pipe.

2. In a carbureter, the combination with the outlet pipe thereof, of a sleeve threaded in said pipe, the outer end of said sleeve having a projection provided with a sector-shaped flange, and a cylindrical screen mounted in said sleeve and having a closed round end engaging said flange.

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

FRANK SVAGELL.

Witnesses:

A. H. RABSÁG,

MAX H. SROLOVITZ.