Feb. 22, 1938. F. E. MICHAEL 2,109,179

ANTIFLOODING ATTACHMENT FOR CARBURETORS

Filed April 20, 1937

Fig. 1.

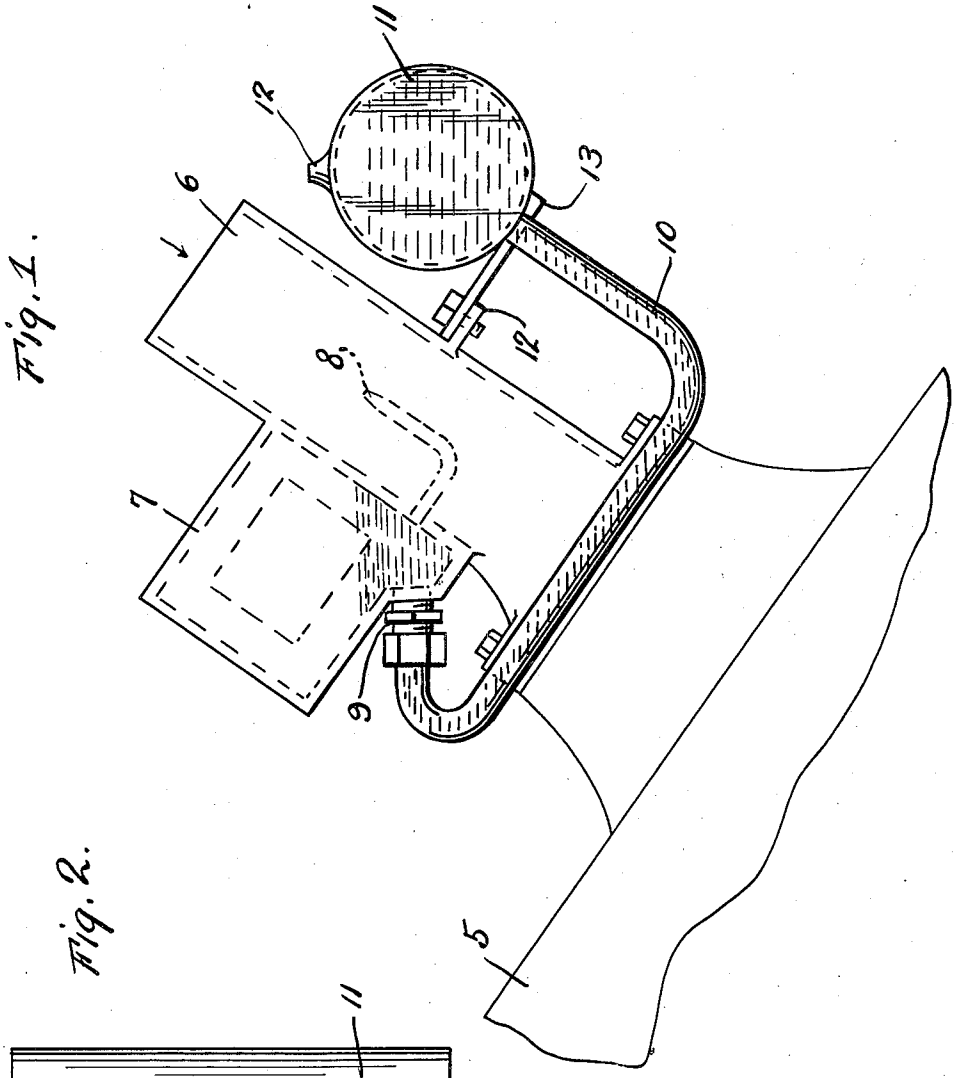
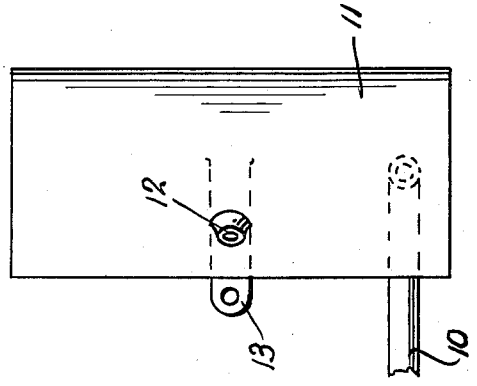


Fig. 2.



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ANTIFLOODING ATTACHMENT FOR CARBURETORS

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2 Claims. (Cl. 137—21)

The present invention relates to carburetors and has for its principal object to provide an anti-flooding attachment to prevent flooding of the engine when the latter is tilted and is designed primarily for use upon engines for trucks used for hauling and dumping grain or the like under circumstances where the truck is driven upon a ramp or lift for the purpose of accomplishing the dumping action.

A further object is to provide an anti-flooding attachment of this character of simple and practical construction which may be mounted in operative position upon the engine without necessitating any material changes in construction thereof, which is efficient and reliable in operation and otherwise well adapted for the purposes for which the same was intended.

Other objects and advantages reside in the details of construction as more fully hereinafter described and claimed, reference being had to the accompanying drawing forming part hereof, wherein like numerals refer to like parts throughout and in which:

Figure 1 is a side elevational view of a carburetor showing the anti-flooding attachment in position with respect thereto.

Figure 2 is a top plan view of the anti-flooding reservoir.

Referring now to the drawing in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention the numeral 5 designates an internal combustion engine having an intake manifold 6 communicating therewith, to the front side of which is secured the float chamber 7 of a carburetor having communication with the intake manifold by a pipe 8.

In carrying out the present invention the bottom portion of the float chamber 7 is provided with an opening to which is attached a pipe nipple 9 having a copper or flexible tube 10 connected thereto, said tube communicating with a tank or reservoir 11 supported upon a bracket 12 attached to the intake manifold 6. The upper portion of the tank 11 is provided with an air vent 13 as will be apparent from an inspection of Fig. 1 of the drawing the reservoir 11 is supported in a position slightly above the horizontal plane of the normal fuel level in the float chamber 7 and in a position rearwardly with respect to said float chamber. Accordingly when the front end of the truck is elevated, as by mounting an inclined surface the fuel from the float chamber will pass therefrom through the pipe 10 into the reservoir 11 and thus prevent the fuel from being drained from the float chamber through the pipe 8 into the intake manifold. When in this inclined position fuel will be allowed to continue through the pipe 8 into the intake manifold during the normal operation of the engine and when the truck is returned to its normal level condition the fuel from the reservoir 11 will be drained back into the float chamber in a manner as will be readily apparent.

It is believed the details of construction and manner of operation of the device will be readily understood from the foregoing without further detailed explanation.

The present embodiment of the invention has been described in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

What is claimed is:—

1. An anti-flooding attachment for carburetors comprising a normally empty fuel reservoir supported rearwardly of the float chamber of the carburetor and normally above the horizontal plane of the level of fuel in the float chamber said reservoir having a capacity substantially equal to that of the float chamber and a drain pipe connecting said float chamber with the reservoir for draining fuel from the float chamber into the reservoir when the float chamber is tilted above the plane of the reservoir.

2. An anti-flooding attachment for carburetors comprising a normally empty fuel reservoir supported rearwardly of the float chamber of the carburetor and normally above the horizontal plane of the level of fuel in the float chamber said reservoir having a capacity substantially equal to that of the float chamber and a drain pipe connecting said float chamber with the reservoir for draining fuel from the float chamber into the reservoir when the float chamber is tilted above the plane of the reservoir, and an air vent in the upper portion of said reservoir.

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