April 5, 1927. 1,623,140

B. A. TRAVIS

EXTINGUISHER FOR CIGARETTES AND THE LIKE

Filed Aug. 19, 1925

Fig. 1

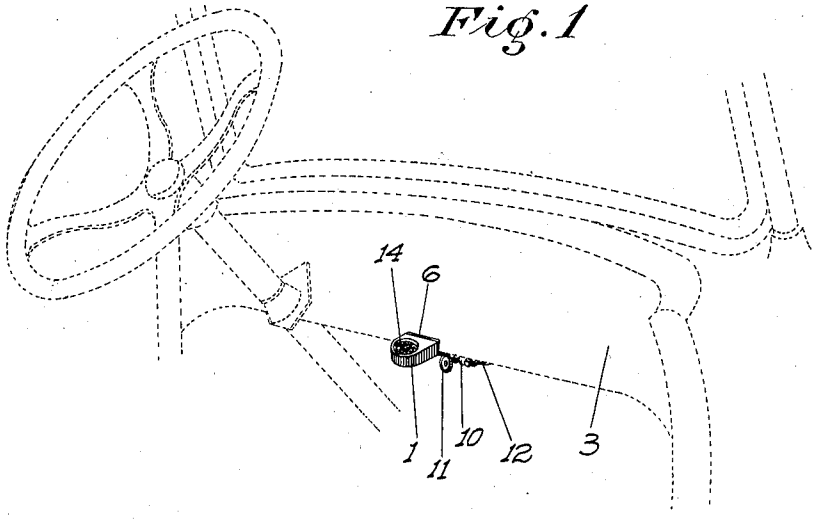


Fig. 2

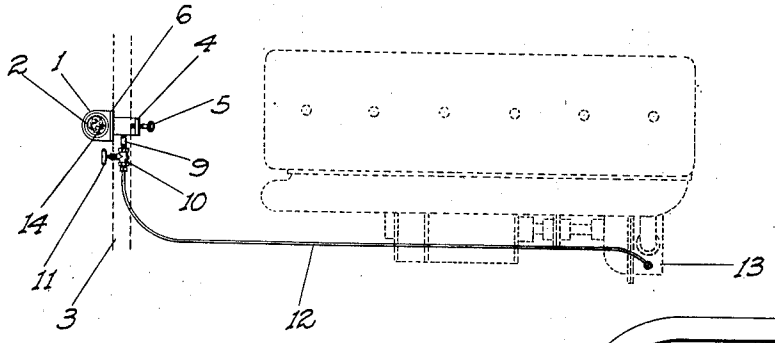
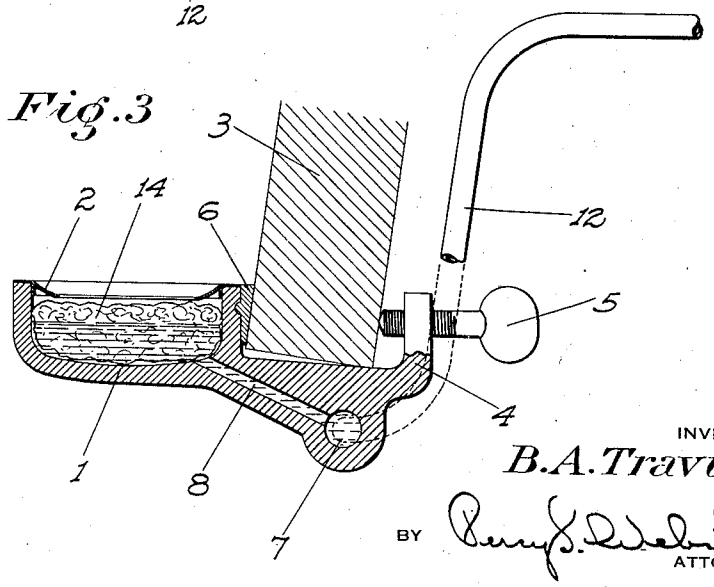


Fig. 3



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EXTINGUISHER FOR CIGARETTES AND THE LIKE.

Application filed August 19, 1925. Serial No. 51,137.

This invention relates to improvements in devices for extinguishing live cigarette stubs, matches, etc. and especially to a type of device intended for attachment onto a motor vehicle.

The principal object of my invention is to provide an extinguisher for the purpose which employs water as the extinguishing agent, thus insuring the positive and immediate "killing" of any live heat in the stub or other member being treated.

Another object is to provide for a constant and readily controlled supply of water for the extinguisher, utilizing the cooling water of the engine of the vehicle for this purpose, and arranging that such supply will be available for use in the extinguisher at all times.

The danger of forest fires and other conflagrations being started by live butts thrown out of the car onto the dry grass, etc., along the roadway is therefore eliminated by the use of my device, which instantly renders the stubs harmless.

A further object of the invention is to produce a simple and inexpensive device and yet one which will be exceedingly effective for the purpose for which it is designed.

These objects I accomplish by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claims.

In the drawings similar characters of reference indicate corresponding parts in the several views:

Fig. 1 is a perspective outline of the driver's compartment of a motor vehicle showing my extinguisher installed on the dashboard thereof.

Fig. 2 is a top plan view of the device showing the connection with the cooling water system of the vehicle.

Fig. 3 is a sectional elevation of the extinguisher as connected to the dashboard.

Referring now more particularly to the characters of reference on the drawings, the numeral 1 denotes the bowl of the extinguisher, of suitable size and having on top a removable flange element 2 which projects downwardly and inwardly of the bowl a certain distance. The bowl is adapted to project outwardly of the dashboard 3 of the vehicle adjacent the lower edge thereof and is provided with a yoke or bracket 4 adapted to pass under the dashboard.

This bracket has a clamping screw 5 mounted therein and adapted for engagement with the front side of the dashboard. In this manner the device may be mounted for attachment and transverse adjustment on the dashboard without having to drill holes for screws and the like in the latter.

In order to enable the bowl to lie in a horizontal position even though the dashboard sits at an angle as is frequent, I provide a wedge shaped strip or spacer 6 adapted to be disposed between the forward edge of the bowl (which edge is flat) and the dashboard. The only thing necessary therefore for a single stock form of the device to fit any dash in the desired position is a wedge strip of the proper angle for each different slope of dash. If the latter is vertically disposed no strip is of course necessary.

Provided with the bowl and bracket and preferably located under the latter is a blind passage 7 extending transversely of the bracket and terminating at one side edge thereof. Another passage 8 leads from the passage 7 to the bottom of the bowl.

A rigid nipple 9 is connected to the outer end of the passage 7 and a needle valve 10 of suitable form is connected to the outer end of the nipple. The handle 11 of this valve projects outwardly of the dash a short distance so as to be convenient to the hand of the driver. From the opposite end of the valve a flexible tube 12 leads to a suitable connection with the cooling water system of the engine of the vehicle.

There are various points at which this connection may be made, but I preferably do so by connecting the end of the tubing to pump casing 13 in any suitable manner. When the engine is operating therefore water will be forced through the tubing to the valve, the flow to the bowl itself being regulated as may be necessary by manipulation of said valve. In order that a supply of water for the bowl may be available when the engine is not running the tube 12 extends upwardly from the valve for a certain distance before descending to the level of the pump. There will always therefore be a small quantity of water in the vertical portion of the pipe, suitable for at least one filling of the bowl.

A sponge 14 preferably fills the bowl under the flange 2, only sufficient water being

kept in the bowl at any time to saturate the sponge. This feature, in connection with the flanged member 2, prevents the water from slipping over the top of the cup with the vibration of the car. The member 2 of course also serves to retain the sponge in place while enabling the latter to be easily removed whenever necessary.

To extinguish a butt or the like it is only necessary to press the lighted end of the same against the sponge, when said end will be immediately extinguished, as will be evident.

Although I have specifically shown and described the device as being mounted on the dashboard, it will be understood that it is not necessary for the operation of the device that it be thus mounted. By merely changing the form of the bracket the extinguisher can be mounted in the passenger compartment of taxicabs, or limousines and in the smoking compartments of automobiles, stages and busses. The device can be made operative in such case by merely extending the length of the water tubing, since the water can be easily forced to any part of the vehicle with any ordinary water circulating pump, such as is found on all cars.

From the foregoing description it will be readily seen that I have produced such a device as substantially fulfills the objects of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations therefrom may be resorted to as do not form a departure from the spirit of the invention, as defined by the appended claims.

Having thus described my invention what I claim as new and useful and desire to secure by Letters Patent is:

1. An extinguisher for cigarettes and the like adapted for use on a motor vehicle including a bowl, and means for supplying water to the bowl from the water-cooling system of the engine of the vehicle.

2. An extinguisher for use on a motor vehicle, including a bowl, tubular means extending from the bowl and adapted for connection with a water containing member of the engine of the vehicle, and a control valve interposed in the tubular means.

3. An extinguisher for use on a motor vehicle, including a bowl, water passage means including a valve adjacent the bowl leading therefrom for connection to the water cooling system of the engine of the vehicle, said passage means projecting upwardly from the valve ahead of the same, whereby a certain amount of water for filling the bowl will always be available in the pipe.

4. An extinguisher for use on a motor vehicle including a bowl, a clamping bracket mounted in connection with the bowl and adapted to straddle the dashboard of the vehicle at its lower edge, passage means to the bottom of the bracket from the bottom of the bowl, and a water supply pipe connected to the bracket and arranged to connect with the passage means.

In testimony whereof I affix my signature.

BERMA A. TRAVIS.