P. H. LOMBARD.

MOISTENING DEVICE.

APPLICATION FILED MAY 12, 1909.

948,110.

Patented Feb. 1, 1910.

Fig. 1.

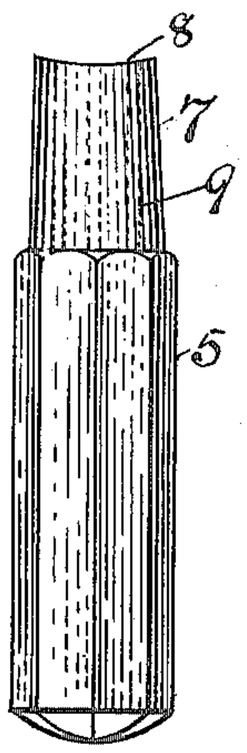


Fig. 2.

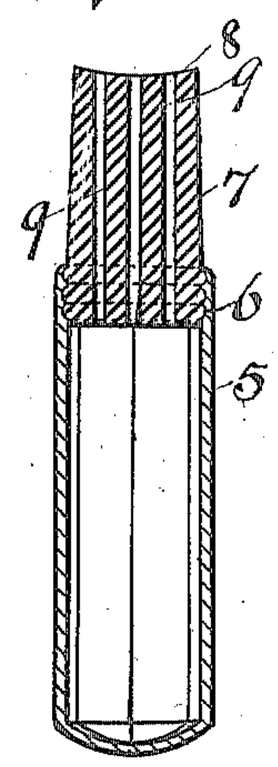


Fig. 3.

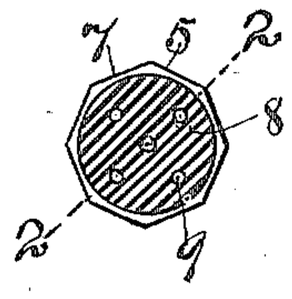
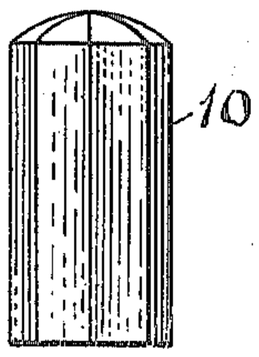


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

PERCIVAL H. LOMBARD, OF BRIGHTON, COLORADO.

MOISTENING DEVICE.

948,110. Specification of Letters Patent. Patented Feb. 1, 1910.

Application filed May 12, 1909. Serial No. 495,562.

To all whom it may concern:

Be it known that I, PERCIVAL H. LOMBARD, of Brighton, in the county of Adams and State of Colorado, have invented a new and useful Improvement in Moistening Devices, of which the following is a specification, reference being had to the accompanying drawings, forming part thereof.

This invention has reference to improvements in moistening devices and particularly to improvements in such devices adapted for occasional use to apply moisture to a postage stamp, an envelop flap or to other articles and, preferably, to such articles having gummed surfaces.

One object of the invention is to so construct a portable moistening device of this general character that it can be conveniently carried in the vest pocket or in a purse, while it is also adapted for desk use for the moistening of an occasional stamp or envelop.

Another object of the invention is to so construct a moistening device of this nature that moisture is instantly available without the necessity of being started or assisted after a period of rest.

Another object of the invention is to so construct a moistener of this nature that while moisture is ready for instant application no leakage will result from the overturning of the device.

Other objects of the invention will appear from the following description.

The invention consists in the peculiar moisture applier.

The invention also consists in such other novel features of construction and combination of parts as shall hereinafter be more fully described and pointed out in the claim.

Figure 1, represents an elevation of the new moistening device. Fig. 2, represents a vertical sectional view of the same taken on line 2—2 Fig. 3. Fig. 3, represents an end view of the device looking at the moisture applier. Fig. 4, represents an elevation of the protecting cap for the applier.

Similar numbers of reference designate corresponding parts throughout.

In carrying this invention into practice I construct a reservoir 5 of metal glass or other suitable material and of any desired cross sectional shape and size, preferably, this reservoir is hexagonal or octagonal in cross section and has a somewhat rounded bottom and at its open end, is furnished with the screw threads 6 or any similar means with which the moisture applier may be engaged. This moisture applier 7 comprises a stopper formed of rubber or other suitable flexible material and preferably of a truncated conical shape of a length greater than its diameter and having at its outer end a suction chamber formed by the concavity 8 which communicates by means of several capillary channels 9—9 with the base of the applier.

In preparing the device for use water is placed within the reservoir 5 and the base of the applier 7 is seated in the open end of such reservoir. If now the moistening device is inverted or placed on its side water, from the reservoir, will enter the channels 9—9 but is prevented, by the capillary attraction afforded by the cohesion of the long flexible and contractile nature of the walls of said channels from leaking out.

In use the device is inverted and the suction chamber 8 of the applier 7 is applied to and pressed against any spot to which it is desired to supply moisture, such operation results in the partial compression of the wall of the suction chamber 8 and the forcing of air, contained therein, into the channels 9—9 which action tends to somewhat distend said channels; when now the pressure is removed such air is drawn back into the suction chamber and carries or draws with it a sufficient supply of moisture.

In order to protect the applier 7 I prefer to make use of the cover or cap 10 which is adapted to slide over the applier and to embrace the reservoir 5, but the use of this cover is optional.

While I have herein shown the channels 9—9 as formed in the body of the applier or stopper 7 it is not my desire to limit myself to this particular construction.

Having thus described my invention I

claim as new and desire to secure by Letters Patent.

A moistening device comprising a reservoir, and a moisture applier mounted on said reservoir to receive moisture therefrom and comprising an elongated body of rubber having at its outer end an open concavity forming a suction chamber and a series of approximately parallel channels formed in said body and communicating with said concavity and with the inner end of said applier as and for the purpose described.

PERCIVAL H. LOMBARD.

Witnesses:

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