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R. P. HOOVER

1,742,809

DISPENSING CONTAINER FOR LIQUID MEDICINE

Filed Oct. 2, 1928

Fig. 1.

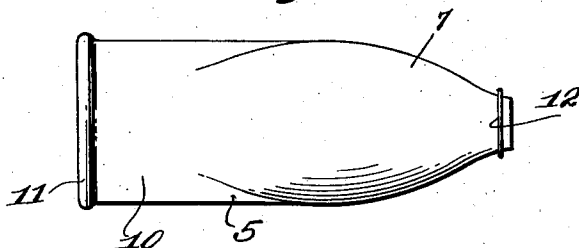


Fig. 2.

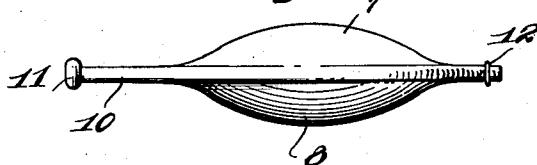


Fig. 3.

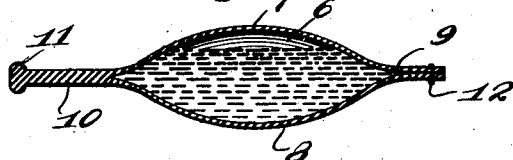


Fig. 4.

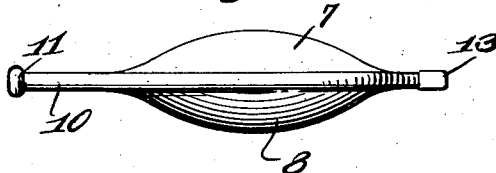
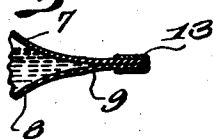


Fig. 5.



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DISPENSING CONTAINER FOR LIQUID MEDICINE

Application filed October 2, 1928. Serial No. 309,846.

This invention relates to containers for liquid medicine and comprises a container designed to be placed in the mouth and operated by the muscular movement of the mouth organs incident to a natural swallowing action whereby the medicinal content of the container is discharged into the throat at a point beyond the taste nerves of the tongue.

More specifically the invention consists in certain novel details of construction as more particularly pointed out in the following detailed description and illustrated in the accompanying drawings, in which,

Figure 1 is a top plan view of a container constructed in accordance with this invention;

Figure 2 is a view in side elevation;

Figure 3 is a longitudinal sectional view;

Figure 4 is a view similar to Figure 2 but showing a slight modification, and,

Figure 5 is a fragmentary sectional view taken through an end portion of the container shown in Figure 4.

Referring more particularly to the drawings 5 designates a body of elastic material, such as rubber, provided with an internal cavity 6, the walls 7 and 8 of which are compressible to expel the liquid contents of the cavity through the mouth or orifice 9 provided at one end of said body. The end of the body remote from said mouth or orifice 9 is in the form of a flat shank 10 terminating in an enlarged head or bead 11.

In preparing the container for use a suitable liquid medicine is introduced therein through the orifice 9 and the said orifice then hermetically sealed by applying thereto a metal sealing clip 12 as shown in Figures 2 and 3 or by employing a pliable sealing cap 13 as shown to advantage in Figures 4 and 5.

When the container is to be used for injecting the medicinal contents thereof into the throat of a patient the seal at the orifice 9 is broken by removal of the clip 12 or the

cap 13 and the container then inserted in the mouth of the patient so that the walls 7 and 8 of the cavity 6 will lie between the tongue and the roof of the mouth, the shank portion 10 being gripped between the teeth so that the enlarged head or bead 11 will prevent accidental swallowing of the container. The muscular movement of the mouth organs incident to a natural swallowing action will suffice to compress the walls 7 and 8 sufficiently to expel the contents of the cavity 6 through the orifice 9 and the location of said orifice is such that the medicine will be discharged therefrom at a point located inwardly beyond the taste nerves of the tongue. By discharging the medicine into the throat beyond the region of the taste nerves it is obvious that medicines having a disagreeable taste may be injected without repugnant effect.

Having thus fully described what I now conceive to be the preferred embodiment of the invention it will be understood that various changes may be resorted to within the spirit and scope of the appended claims.

What I claim is:

1. A device of the character described comprising a body of inherently elastic material formed with an integral cavity having an orifice for the introduction and discharge of liquid medicine, the walls of said cavity being compressible to expel the liquid contents thereof through said orifice, and means for releasably holding together the edges of said orifice so as to seal the cavity to prevent escape of the contents thereof.

2. A device of the character described comprising a body of elastic material formed with an internal cavity having compressible walls and provided with an opening located at one end of said body, the other end of said body being in the form of a substantially flat shank terminating in an enlarged head.

3. A device as recited in the preceding claim including means for releasably hold-

ing together the edges of the orifice so as to close the latter and thereby seal the cavity.

4. A dispensing container for liquid medicine adapted to be inserted in the mouth and operated by the muscular movement of the mouth organs incident to a natural swallowing action, said container having an internal medicine receiving cavity provided with elastic walls compressible by the muscular movement of the mouth organs to expel the contents of the cavity through a suitable emission orifice.

In testimony whereof I hereunto affix my signature.

ROS P. HOOVER.