

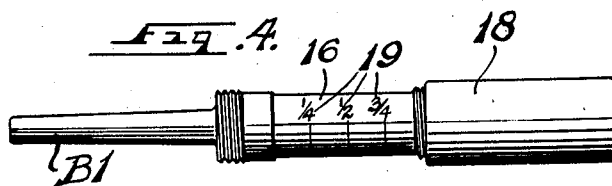
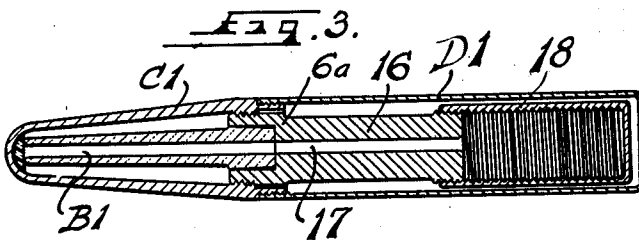
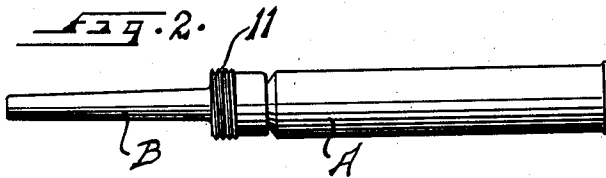
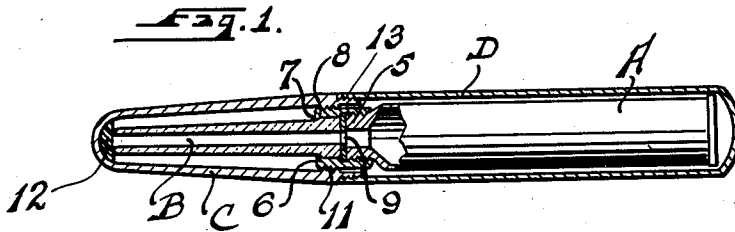
July 28, 1942.

W. B. TERRY

2,291,509

APPLICATOR

Filed April 11, 1940



INVENTOR.
W. B. TERRY.

BY

Q. M. Thomas
ATTORNEY.

UNITED STATES PATENT OFFICE

2,291,509

APPLICATOR

Willard B. Terry, Salt Lake City, Utah

Application April 11, 1940, Serial No. 329,178

2 Claims. (Cl. 128—260)

My invention relates to applicators and more particularly to ointment applicators of the type which it is desired to place in certain definite locations or in spots which are not freely accessible, such as deep cuts and which applicator is made and packed in a sanitary sealed container ready for use with the ointment made and packed preferably in flexible tubes and also carried in said device.

A further object is to provide a sanitary handy, easily operated, applicator which may be carried in the pocket, grip or in suitable containers and which will be entirely sealed from handling or other contact until ready for use.

A still further object is to provide an applicator which has the tube for placing and dispersing the fluid carried in an enclosed sealed cover and which has the tube containing the medicine also carried in a protective covering both of which are removed prior to use, but both of which may be again placed on the tube and applicator tube after each successive use thereof and which applicator tube may be used indefinitely, the flexible tube containing the material being removed as soon as empty.

These and other objects I accomplish with the device illustrated in the accompanying drawing in which similar numerals and letters of reference indicate like parts throughout the several views and as described in the specification forming a part of this application and pointed out in the appended claims.

In the drawing:

Figure 1 is a longitudinal section of the two covers showing my applicator tube and a portion of the container tube sectioned.

Figure 2 is a side elevation of the applicator tube, connection, and flexible medicinal container tube.

Figure 3 is a diametrical longitudinal section of a modified type of my device.

Figure 4 is an outside elevation of the applicator tube and container of the modified type of device.

In the drawing I have shown two different types of my device and in Figures 1 and 2, I have shown a preferred type of applicator, the main feature being a flexible tube A filled with the medicine or material to be applied with one end of the threaded tube at 5 to be screwed into a nozzle-holding collar 6.

The collar 6 is internally threaded at the one end and is inwardly flanged at 7 on the other end and the tapered applicator tube or nozzle B is inserted through the collar 6 with a flange or en-

larged tapered end 8 fitting the flange 7 of the collar to hold the tapered tube B in place.

A gasket 9 is placed in the sleeve between the tube B and the threaded end 5 of the flexible tube A to prevent leakage of materials from the tube around the collar.

The collar 6 is externally threaded at 11 at the end from which the applicator tube B extends and a sanitary sealing cap or nozzle cover C is screwed onto the threads 11 to keep the applicator tube B from exposure. The inner end of the cap or cover C is provided with a gasket 12 to prevent material from passing out of the end of the applicator tube B.

The flexible tube A is protected by a closed cylindrical body cover D which is screwed onto the externally threaded end 13 of the cover C over the flexible tube A so that when the two covers are attached together they completely enclose the applicator nozzle and flexible tube from exterior contact.

The applicator nozzle B may be glass, Bakelite or other suitable material which may be sterilized and made sanitary.

In Figures 3 and 4 I have shown a modified type of the device in which the covers C1 and D1 are identical to those shown in other views but in which the collar 6a connecting the nozzle or applicator B1 is made in the form of an elongated body 16 with a central bore 17 of the same size as the bore of the nozzle B1 and with the end of the body 16 externally threaded to be screwed into an internally threaded material carrying cylinder 18 in which the medicine is placed and the screwing of the cylinder onto the body 16 forces the material through the bore 17 and nozzle B1 to any desired place.

To measure the dosage used in this type of device, the elongated body 16 of the collar 6a is externally marked at 19 to show the amount forced from the tube by the relative position of the end of the cylinder 18.

Having thus described my invention, I desire to secure by Letters Patent and claim:

1. An applicator of the class described comprising, a tapered nozzle; a threaded collar into which said nozzle is placed: a flexible tube carrying a medicament screwed into said collar to provide the medicament for distribution through the nozzle; a tapered cover screwed onto the collar to cover the nozzle; and a cylindrical body screwed onto said cover to enclose the flexible tube.

2. A device of the class described comprising a flexible ointment tube having one end closed and

the other end formed into a smaller diametered threaded neck; an externally threaded collar screwed onto said neck, said collar having a flange therein; a tapered nozzle having a flange fitting into the flange of the collar and held in place in the collar by the threaded neck of the tube; a nozzle cover for said nozzle having in-

5 ternal threads to fit on the threads on said collar and having external threads at the extreme end; and a cover for said tube having internal threads to screw onto the external threads of the nozzle cover to seal the nozzle and tube into separate chambers in said covers.

WILLARD B. TERRY,