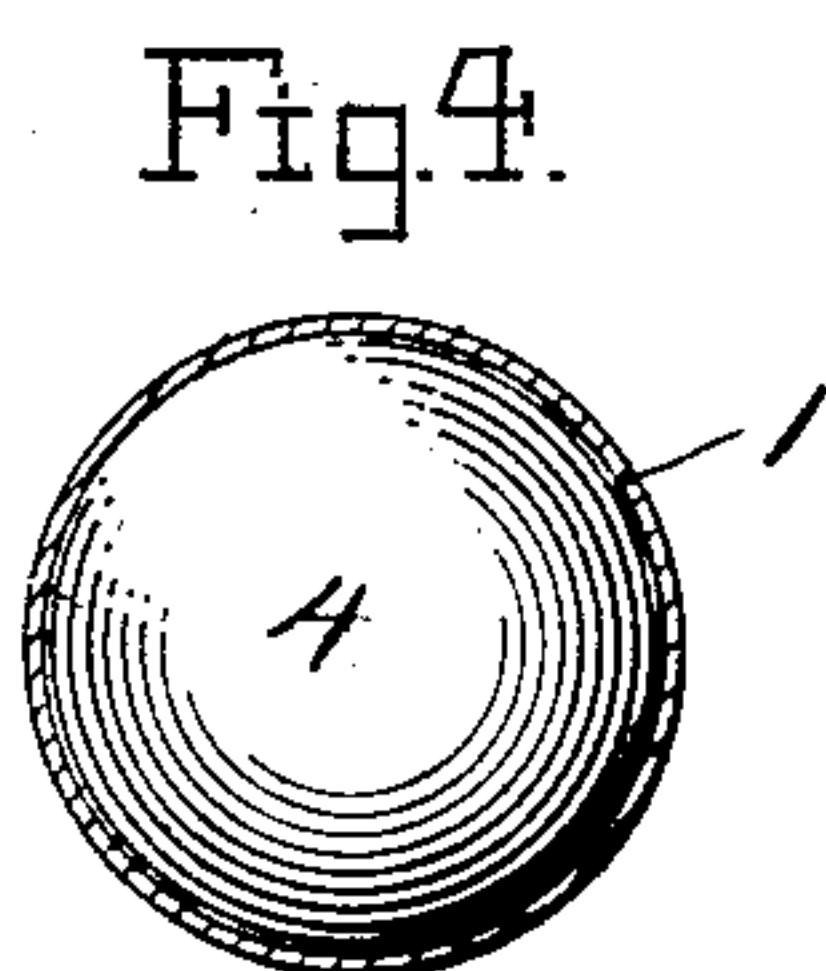
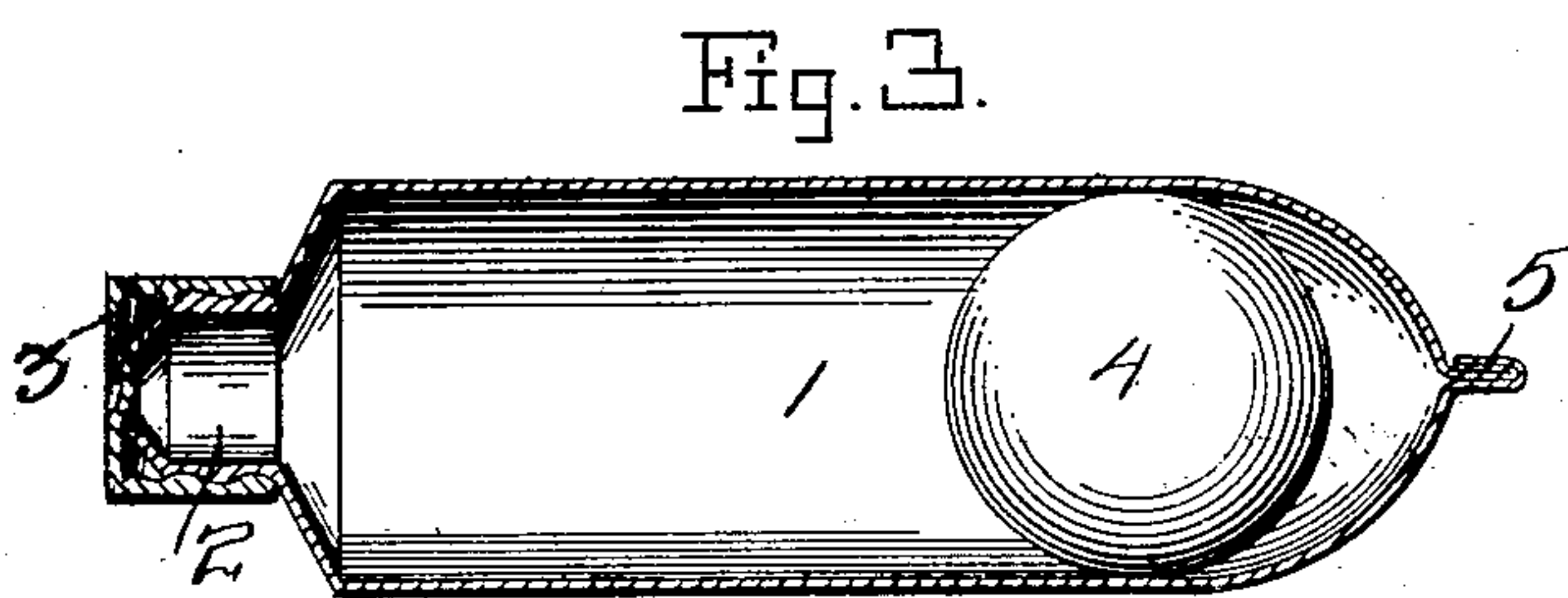
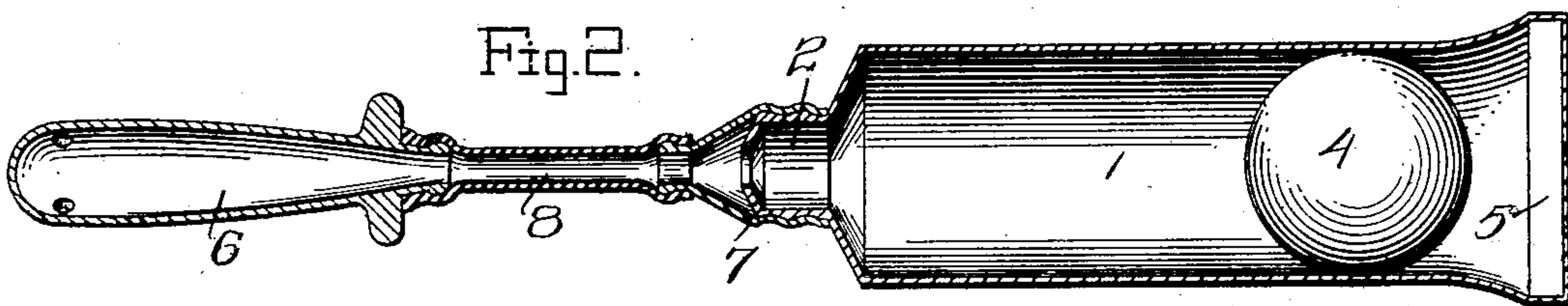
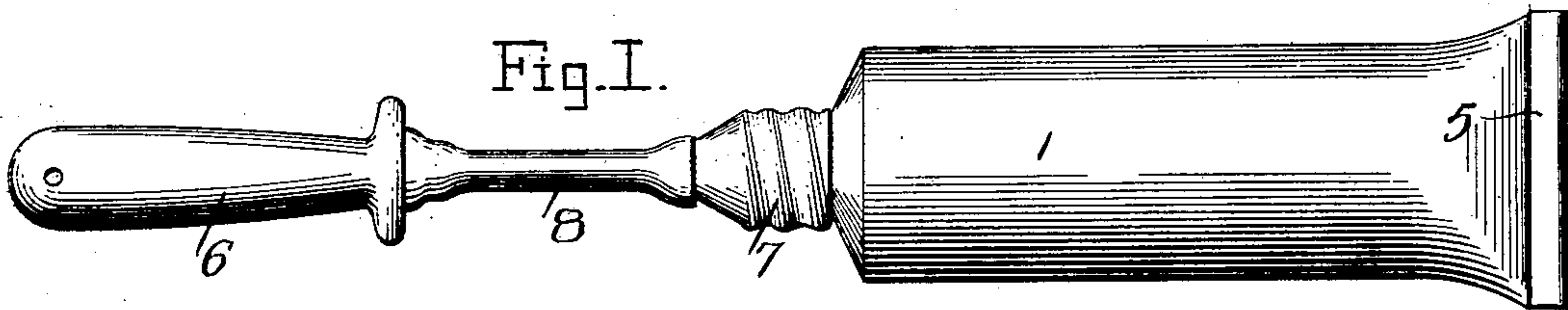


No. 738,009.

PATENTED SEPT. 1, 1903.

J. N. DEWS.  
MEDICINE APPLICATOR.  
APPLICATION FILED JUNE 11, 1903.

NO MODEL.



Witnesses

C. H. Reichenbach.

*[Signature]*

By

*[Signature]*

Inventor

Julius N. Dews.

Attorney



# UNITED STATES PATENT OFFICE.

JULIUS N. DEWS, OF PORTSMOUTH, VIRGINIA.

## MEDICINE-APPLICATOR.

SPECIFICATION forming part of Letters Patent No. 738,009, dated September 1, 1903.

Application filed June 11, 1903. Serial No. 161,105. (No model.)

*To all whom it may concern:*

Be it known that I, JULIUS N. DEWS, a citizen of the United States, residing at Portsmouth, in the county of Norfolk and State of Virginia, have invented certain new and useful Improvements in Medicine-Applicators; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in medicine-applicators which are particularly adapted for the treatment of internal piles.

The object of the invention is to provide a device of this character by means of which a medicinal ointment or salve may be applied to diseased or affected parts of the body.

Further objects of the invention are to provide a device the use of which will be attended with little or no pain and to provide means for completely forcing the medicine or other substance from the container.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described and particularly pointed out in the appended claims.

In the drawings, Figure 1 is a side elevation of my improved medicine-applicator. Fig. 2 is a longitudinal sectional view through the same. Fig. 3 is a longitudinal sectional view through the collapsible tube or medicine-container, showing the same removed from the applicator and closed by its cover or cap. Fig. 4 is a cross-sectional view through the collapsible tube.

Referring more particularly to the drawings, the numeral 1 denotes a medicine-container in the form of a collapsible tube, such as is commonly used for containing artists' paints. The same is constructed of metal or other material and consists of a cylindrical flexible body having one of its ends contracted and formed with a screw-threaded neck 2, which when the device is not in use is adapted to be closed by the screw-cap or cover 3, as shown in Fig. 3. The medicine, generally in the form of an ointment or salve, is placed in the tube and a follower, preferably in the

form of a spherical body or ball 4 of the same diameter as the interior of the tube, is then inserted in the same. The end of the tube is then crimped or folded, as shown at 5 in Figs. 2 and 3, to close the same. By providing the follower, which may be a sphere or an elongated ball, and permitting it to have a rotary or sliding movement the contents of the tube will be entirely forced out or expelled when the rear end of the tube is pressed between the fingers to push the ball forwardly.

The applicator comprises the nozzle 6, the screw-threaded attaching-head 7, and the flexible connecting tubing or piping 8. The nozzle is of ordinary construction, having its head provided with the usual apertures through which the medicine is expelled and its tapered or reduced end formed with an annular shoulder or flange 9. One end of the tubing 8 is engaged with the reduced end of the nozzle and the other end of the same is attached to the reduced end of the screw-threaded coupling or head 7, which is adapted to be screwed upon the threaded neck 2 of the medicine-container, as seen in Figs. 1 and 2. By providing this flexible connecting-tube 8 between the nozzle and the container it will be seen that the movement of the container as its contents is forced out will not be imparted to the nozzle. This is of particular advantage when the parts of the body to be treated are inflamed or very sensitive, since the use of the device will be attended with little or no pain.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A device of the character described comprising a collapsible container having an inclosed forcing device, a nozzle and a flexible

tube between said container and nozzle, substantially as described.

2. A container having a spherical forcing device, substantially as described.

5 3. A collapsible container having a spherical follower, substantially as described.

4. A collapsible tube having a spherical follower of the same diameter as the tube

adapted to expel the contents of the same, substantially as described. 10

In testimony whereof I have hereunto set hand in presence of two subscribing witnesses.

JULIUS N. DEWS.

Witnesses:

CHARLES G. HUME,  
JOSEPH MUNDAUGH.