

(No Model.)

H. SCHMELZ.

SUPPOSITORY.

No. 398,085.

Patented Feb. 19, 1889.

Fig. 1.

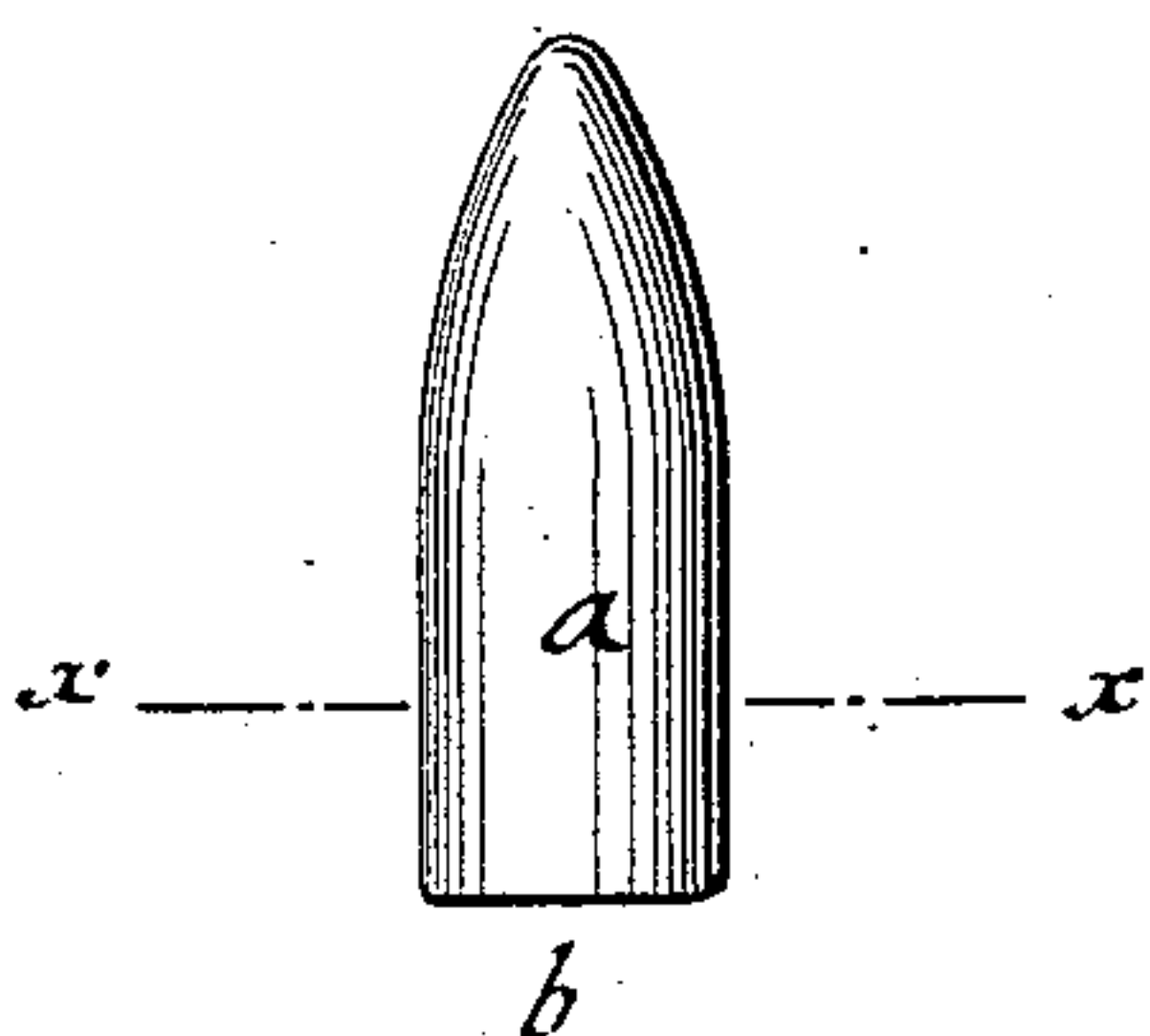
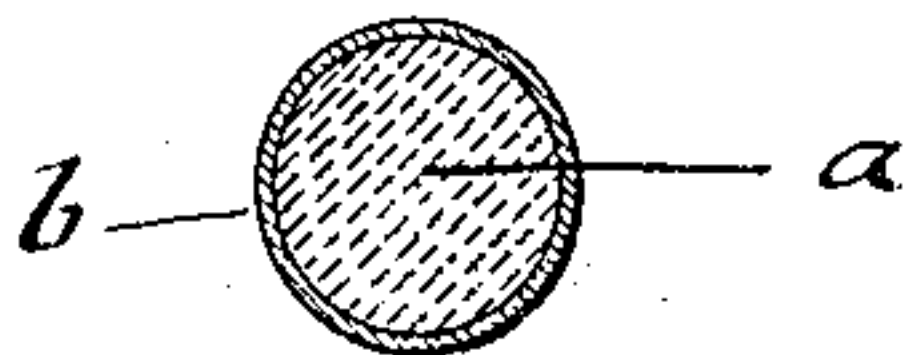


Fig. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY SCHMELZ, OF NEW YORK, N. Y.

## SUPPOSITORY.

SPECIFICATION forming part of Letters Patent No. 398,085, dated February 19, 1889.

Application filed December 20, 1888. Serial No. 294,226. (No specimens.)

*To all whom it may concern:*

Be it known that I, HENRY SCHMELZ, of the city, county, and State of New York, and a citizen of the United States, have invented certain new and useful Improvements in Suppositories, of which the following is a specification.

My improved suppository is based on the discovery that glycerine is an effective purgative when applied into the anus, inasmuch as it produces a quick and instantaneous discharge of the excrements. The introduction of glycerine into the anus, however, was connected with some difficulties until it was proposed to introduce the same in the form of a suppository and harden the same by the addition of a small quantity of hard soap. Such suppositories, however, have the disadvantage that they do not keep well, and that the surface of the same becomes coated with small drops of glycerine which, like small drops of perspiration, appear at the outer surface of the suppository. The soap which is mixed with the glycerine serves in this case as a vehicle for the same, while it also assists the same object as the glycerine, as suppositories made of soap have also been used for the same purpose heretofore.

The object of my invention is to furnish glycerine suppositories which are not liable to any exudation of glycerine from the body of the suppository, and which can be kept for some time while being very effective when in use; and the invention consists of a suppository which is composed of a mixture of glycerine and soap and of a protecting layer of soap.

In the accompanying drawings, Figure 1 represents a side elevation of my improved suppository; and Fig. 2, a vertical horizontal section of the same on line *xx*, Fig. 1.

Similar letters of reference indicate corresponding parts.

In preparing my suppositories about five parts of hard stearine or other soap are dissolved in a small quantity of hot water, so that a concentrated solution of soap is obtained. This is mixed with ninety-five parts of glycerine and the mixture poured into the usual molds for suppositories. The suppositories thus formed are then removed from the molds and dipped into a concentrated solution, which thereby forms a protective layer, *b*, that has a sufficient degree of resistance, so as to prevent the exudation of the glycerine from the interior body, while it also permits the convenient handling of the suppository in applying it for use. The protective soap unites with the body of the suppository and forms a reliable coating for the same, which, however, readily softens and gives way when subjected to the heat of the body. The suppositories are packed in suitable boxes and can be kept for a considerable length of time, so as to form a salable article for druggists. Glycerine suppositories were coated with cocoa-butter, gum-resins, and the like; but these substances were unsatisfactory, inasmuch as the coating did not unite with the body of the suppository, but formed a separate distinct layer, which was liable to crack and permit the exudation of glycerine.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A suppository composed of a mixture of glycerine and a concentrated soap solution and of a protective layer or coating of soap, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HENRY SCHMELZ.

Witnesses:

PAUL GOEPEL,  
JOHN A. STRALEY.