

(No Model.)

E. H. GIBBS.
HOLLOW SUPPOSITORY.

No. 301,355.

Patented July 1, 1884.

FIG. 1.

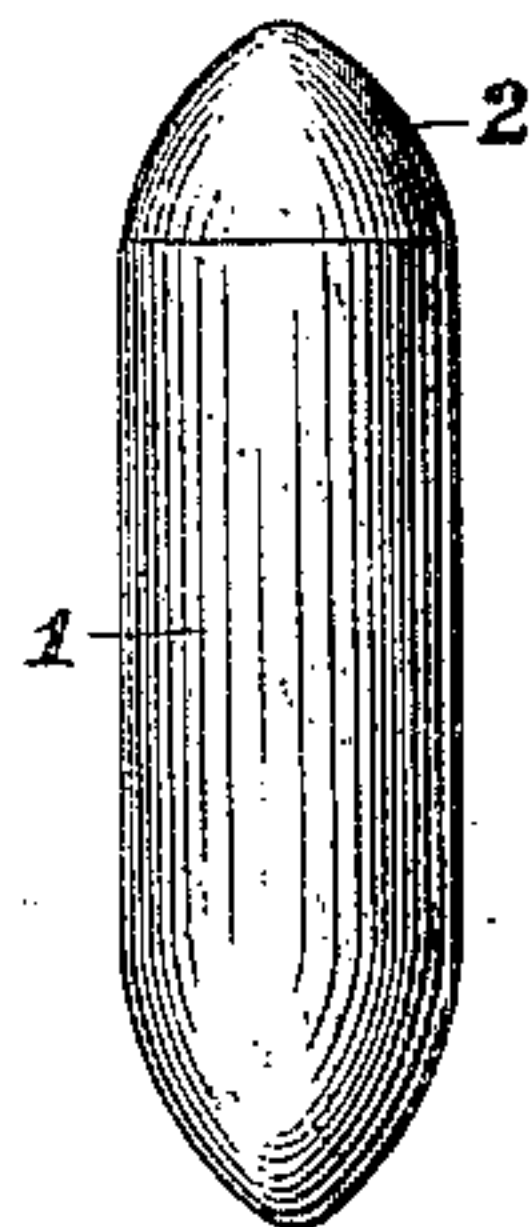


FIG. 2.

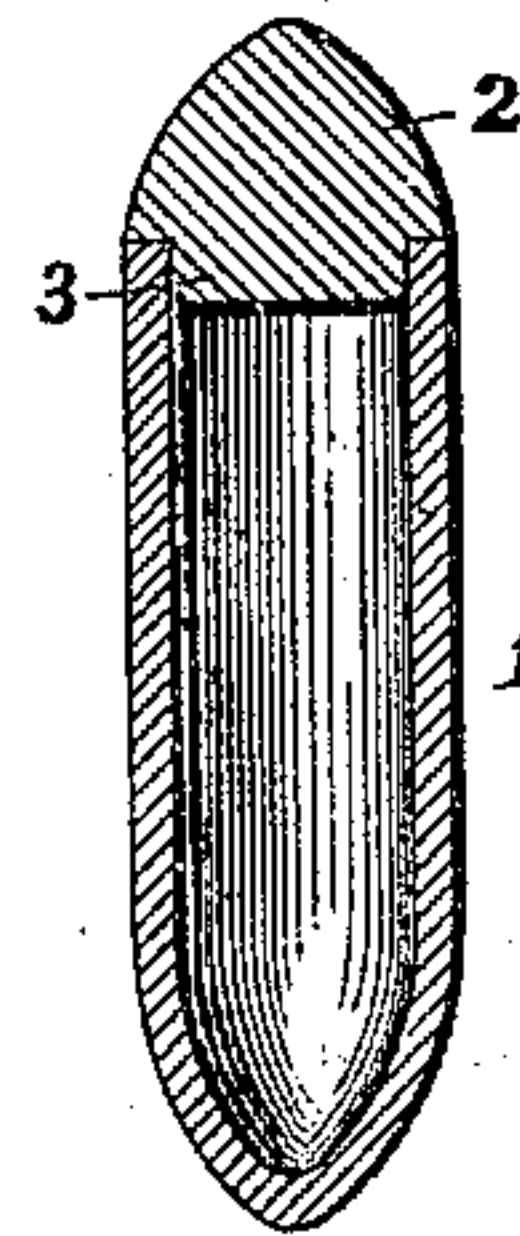
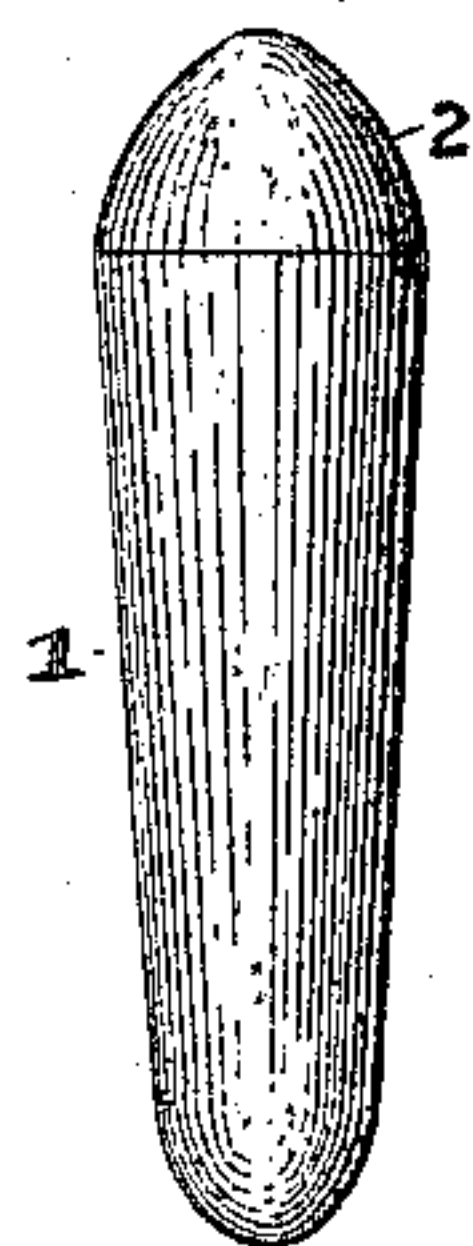


FIG. 3.



ATTEST.

J. Henry Kaiser.
Geo. F. Smallwood,

INVENTOR.

Edwin H. Gibbs
By Knight Bros.
attys

UNITED STATES PATENT OFFICE.

EDWIN H. GIBBS, OF NEW YORK, N. Y.

HOLLOW SUPPOSITORY.

SPECIFICATION forming part of Letters Patent No. 301,355, dated July 1, 1884.

Application filed October 30, 1883. (No model.)

To all whom it may concern:

Be it known that I, EDWIN H. GIBBS, a citizen of the United States, residing at New York, in the county and State of New York, have invented certain new and useful Improvements in Hollow Suppositories, of which the following is a specification.

My invention appertains to those hollow vessels called "suppositories," employed, when filled with the proper medicament, by being inserted into the rectum, vagina, or other orifice of the body, for the purpose of applying the medical agent to the seat of the disease.

My present improvement consists in the provision for such hollow suppositories of a shouldered cap of such form and material as that it will, when applied to the suppository, enable the insertion of the same into the orifice without the use of a suppository-syringe or other device, and will also admit of the strengthening of the suppository and its firm sealing by the application of moderate heat. To this end I form the stopper of my suppository of conical or tapering form, having a shouldered base portion of such size as to fit the mouth of the suppository.

In the accompanying drawings, Figure 1 is a side elevation of a suppository provided with my improved stopper. Fig. 2 is an axial section thereof. Fig. 3 is a side elevation showing the tapering form of the improved suppository.

The body 1 of my suppository is made of butter of cocoa or other material of sufficient rigidity when cold and readily soluble at the warmth of the body. The open end of the suppository is made somewhat larger than the

closed end, the latter being of conical, conoidal, or other suitable form, as shown. A cap, 2, of conical, conoidal, pyramidal, or other suitable shape, and made of the same or similar material to the suppository, is provided at its base with shoulder portion 3, of such size as to be readily insertible within the mouth of the suppository.

It will be seen that when the whole stopper is slightly warmed and placed in position upon the suppository, not only the mouth of the suppository will be sealed, but the upper edge thereof will unite firmly with the shoulder of the stopper, thus adding greatly to the strength of the suppository, and rendering it completely impervious to the fluids with which it may be filled. When used, the stoppered end is to be inserted in advance. The suppository proper being conical at its closed end, and the large or stoppered end being forced in for a short distance, the contraction of the sphincter muscle will of itself force the suppository inward.

I am aware that it is not new to construct a hollow suppository with spheroidal ends. This, therefore, I do not claim.

Having thus described my invention, the following is what I claim as new and desire to secure by Letters Patent:

A hollow suppository conical at both ends, tapering from its open to its closed end, and closed by a shouldered stopper, substantially as described.

EDWIN H. GIBBS.

Witnesses:

WILLIAM H. RIBLET,
JAMES D. RIBLET.