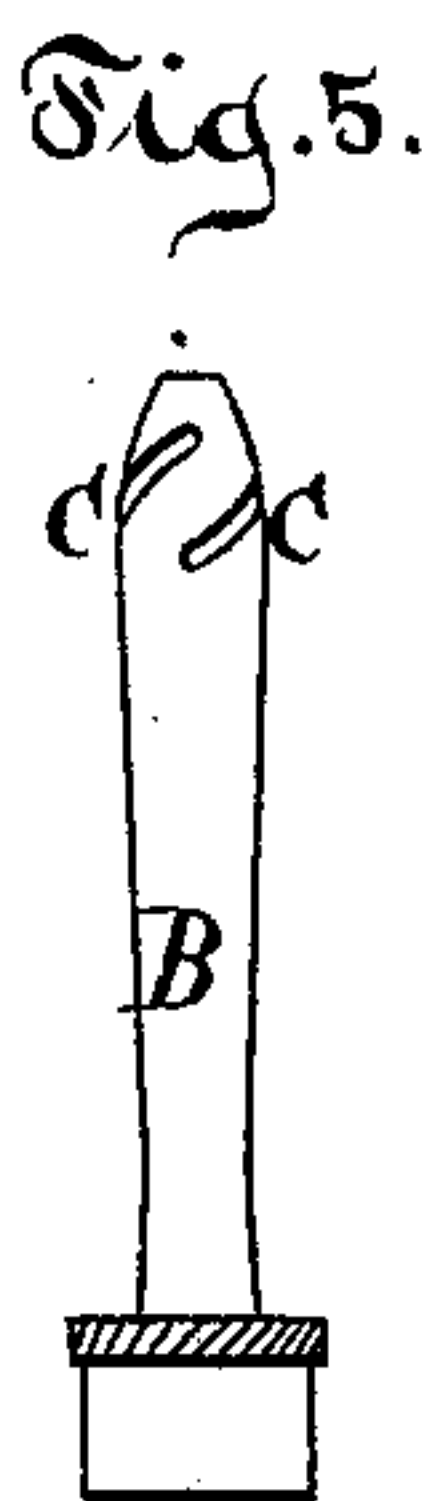
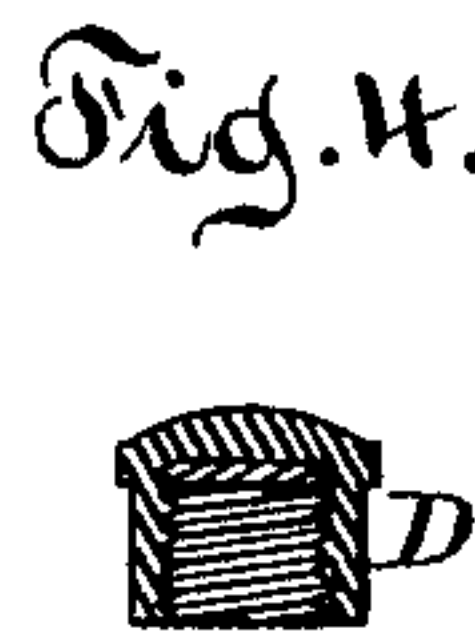
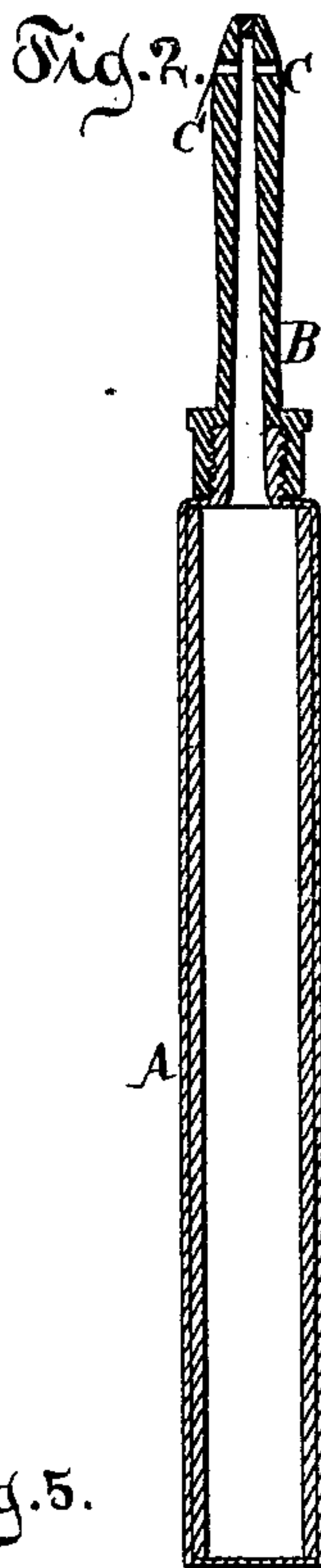
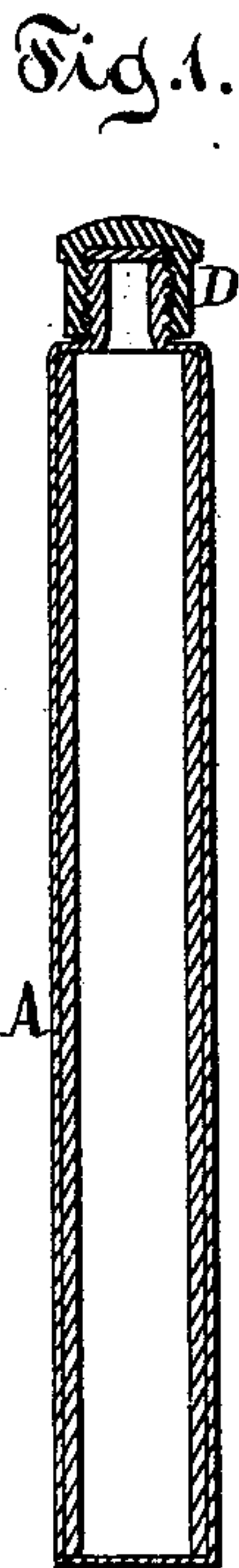
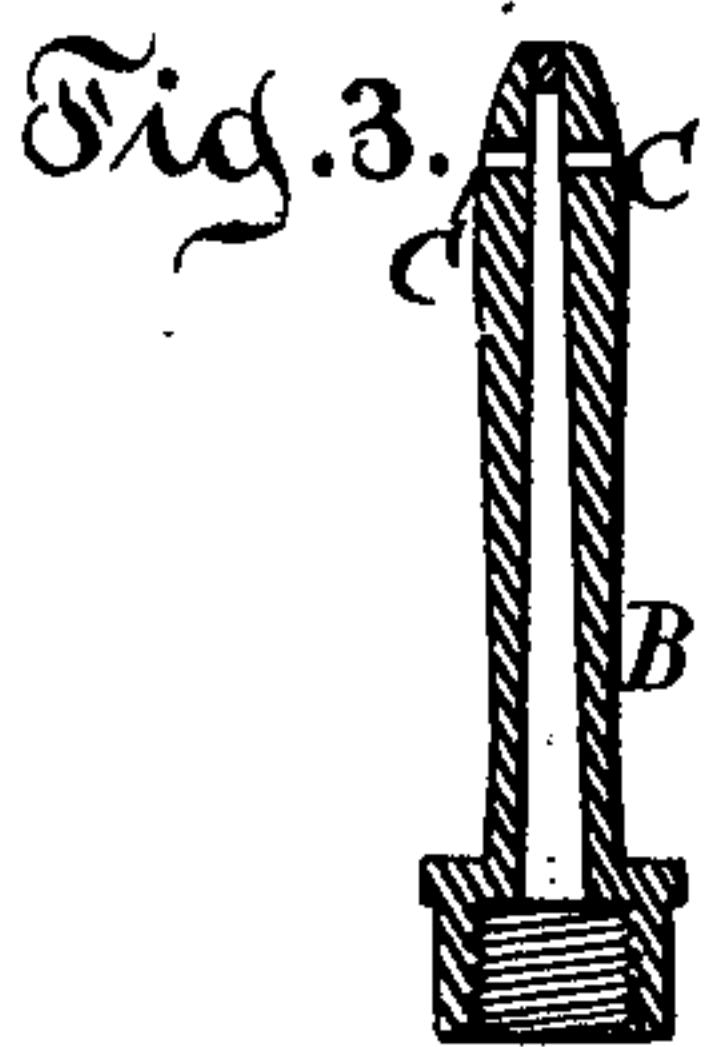


E. R. POST.
Collapsible Pile-Tube.

No. 208,761.

Patented Oct. 8, 1878.



Witnesses.
Joseph M. Alexander.
C. H. Duell

Inventor.
Edward R. Post
by
Duell, Wells & Duell
his attys.

UNITED STATES PATENT OFFICE.

EDWARD R. POST, OF NEWBURG, NEW YORK.

IMPROVEMENT IN COLLAPSIBLE PILE-TUBES.

Specification forming part of Letters Patent No. **208,761**, dated October 8, 1878; application filed August 16, 1878.

To all whom it may concern:

Be it known that I, EDWARD R. POST, of Newburg, in the county of Orange and State of New York, have invented a new and useful Improvement in Collapsible Pile-Tubes, of which the following is a specification, reference being had to the accompanying drawings.

My invention consists of an instrument for introducing ointment into the rectum for the treatment and cure of piles and like diseases. This has heretofore been accomplished by introducing the ointment with the finger or a piece of stick, and in some instances by the use of a pile-pipe filled with ointment ejected through round holes by the action of a screw-plug. The chief disadvantage of using the finger or a stick is that it is almost impossible to make a thorough internal application thereby. The disadvantage of using the pile-pipe is the great inconvenience arising from the necessary use of both hands in an exceedingly awkward position for the manipulation of the instrument.

Among the advantages arising from the use of my invention are, the facility for making a thorough application of the ointment; it requires the use of but one hand for the introduction of the tube and the ejection of the ointment; the increased cleanliness in the use of the instrument; the facility for tightly closing the tube when not in use, as herein-after described; and by the use of the transverse slots the ointment can be applied over the whole circumference of the rectum at one motion of the tube.

Having thus stated the disadvantages of the present methods and the advantages of my method, I now proceed to explain my invention.

Figure 1 represents the ordinary collapsible tube in use for containing artists' oil colors. Fig. 2 represents the combination of the collapsible tube and the nozzle or pipe of an ordinary syringe provided with the transverse slots. Fig. 3 represents the pipe or nozzle of a syringe detached, provided with transverse slots. Fig. 4 represents the cap used to close the collapsible tube until it is to be used; and Fig. 5 represents a side view of the nozzle, showing the transverse slots.

My invention consists in the combination of the thin collapsible tube and the pipe or nozzle

of a syringe, provided with transverse slots for the purposes aforesaid, and as shown in Fig. 2.

A is a collapsible tube. B is the nozzle or pipe, provided with transverse slots, C C. D is the screw-cap used to close the collapsible tube A.

Having procured the collapsible tube A, I fill the same with the proper remedy in the form of an ointment. I then close the bottom of the tube A through which it was filled. The screw-cover D closes the discharge end, and the ointment is preserved from contact with the air and light, and may be kept unimpaired for an indefinite time, and without danger of leakage or soiling anything with which it may be brought in contact.

My invention is used as follows: The screw-cap D is removed and the pipe or nozzle B screwed on in its place, as shown in Fig. 2. Then, after introducing it into the rectum, a slight pressure on the collapsible tube A injects the ointment, and a single motion of the tube applies the ointment over the whole circumference of the rectum, and the process is complete. The screw-cap D should not be removed until the instrument is to be used. After that, and as long as it is in frequent use, the pipe B should remain attached.

By varying the form of the discharge-pipe B my invention may be applied to any orifice of the human body.

The form and position of the slots C C in the nozzle B may be altered; but they are preferably transverse, and located as shown in the accompanying drawings. They may be dispensed with, and the ordinary syringe-nozzle opening on the end may be employed, without changing the nature of my invention.

What I claim as new, and desire to patent, is—

The pile-injector formed of the thin metal artists' tube, to contain an ointment, combined with the nozzle B, as shown and described.

In testimony that I claim the foregoing improvement in collapsible pile-tubes, as above described, I have hereunto set my hand this 14th day of August, 1878.

EDWARD R. POST.

Witnesses:

WILLIAM SCHRAM,
JOHN DALES.