

No. 719,175.

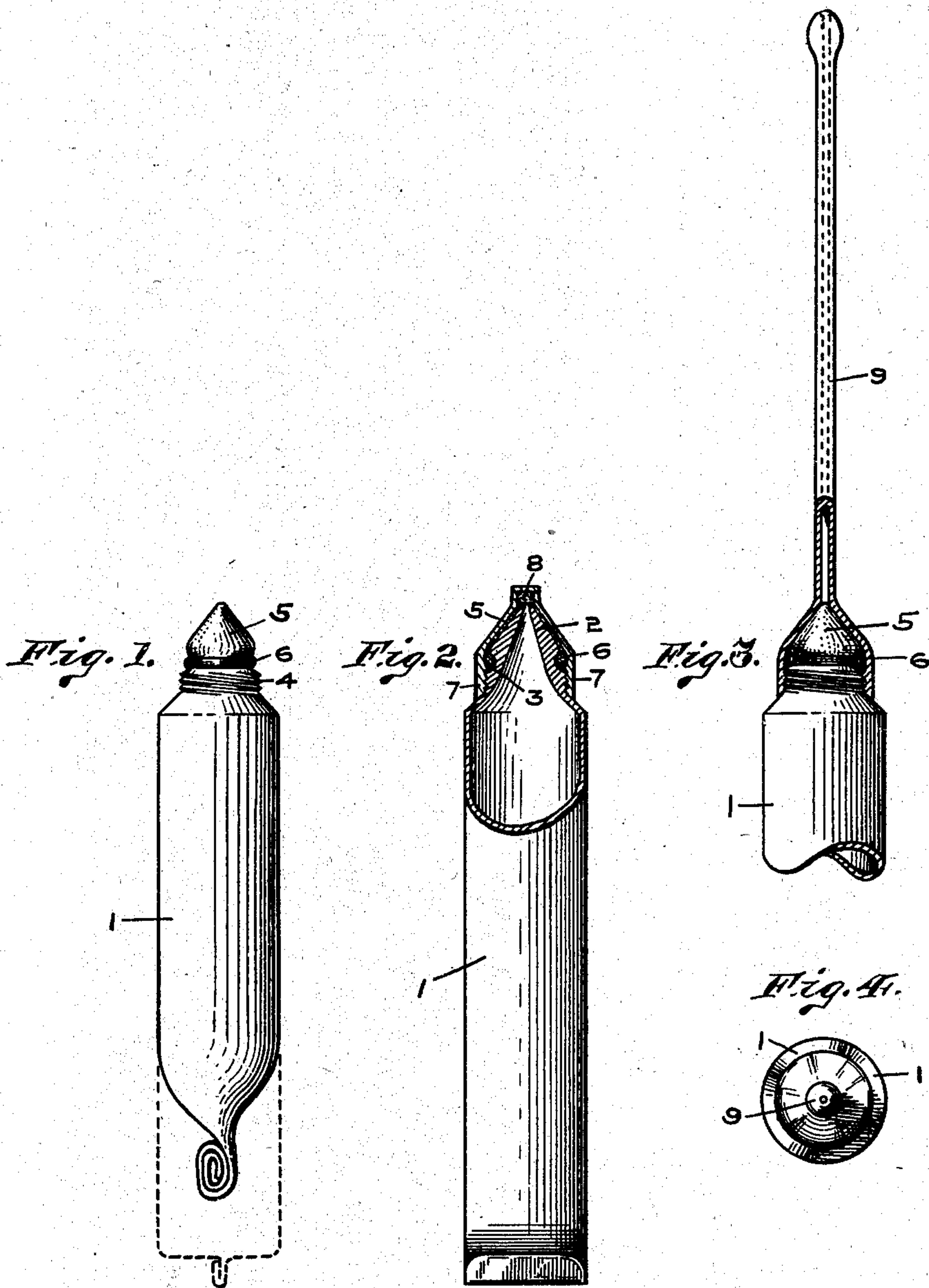
PATENTED JAN. 27, 1903.

H. A. BIERLEY & J. G. NEHRBAS.

APPLICATOR.

APPLICATION FILED NOV. 21, 1901.

NO MODEL.



WITNESSES:

F. H. Hoerner.
Bertha B. Clark

INVENTORS
Henry A. Bierley and
John G. Nehrbas.
BY
V. H. Hockwood
ATTORNEY.

UNITED STATES PATENT OFFICE.

HENRY A. BIERLEY AND JOHN G. NEHRBAS, OF INDIANAPOLIS, INDIANA.

APPLICATOR.

SPECIFICATION forming part of Letters Patent No. 719,175, dated January 27, 1903.

Application filed November 21, 1901. Serial No. 83,126. (No model.)

To all whom it may concern:

Be it known that we, HENRY A. BIERLEY and JOHN G. NEHRBAS, of Indianapolis, county of Marion, and State of Indiana, have invented
5 a certain new and useful Applicator; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like numerals refer to like parts.

10 The object of this invention is to improve the construction of the outlet end of a collapsible tube, so that various remedies can be carried directly to the parts to be treated without the aid of a syringe or other inde-
15 pendent instruments.

The nature of said invention is explained in the accompanying drawings and the following description and claims.

20 In the drawings, Figure 1 is a plan view of the device without any attachment and with the cap removed and after the contents have been partially used. Fig. 2 is the same before it has been used or the cap removed, the outlet end being in section. Fig. 3 is a plan
25 view of the same with the cap removed and an attachment secured thereto, part being in section and part broken away. Fig. 4 is an end view of what is shown in Fig. 3.

30 This instrument is especially adapted for use in uterine and urethral diseases. It consists of a collapsible tube 1, made in the manner well known, whereby the contents may be gradually forced out by compressing the tube as shown in Fig. 1. At the outlet end
35 of such a tube a conical point 2, through which the outlet passage-way extends, is provided with the groove 3 and the threads 4 between the groove and the body of the tube. Upon such conical end there is placed a cushion
40 5, herein made of a rubber nipple stretched over the end piece 2 and having an orifice in it registering with the outlet passage-way in the end of the tube and with a bead 6, embedded in the groove 3. The point
45 of the rubber cushion is perforated. The function of this cushion is to protect the parts of the body to which the outlet end of the instrument may be applied. The metal cap
50 7 covers the point 2 with the cushion 5 thereon and screws upon the threads 4 for closing the outlet end of the tube when not in use. It has a piece of cork 8, that effectually closes the outlet-orifice in the point 2 and rubber
55 cushion 5.

This instrument can be directly used by

applying the outlet end to the part of the body to be treated and slightly compressing the tube. For such use only the cap is removed and no attachments need in many cases be employed. However, if an attach-
60 ment, such as the stem 9, be desired it is united with the collapsible tube by providing one end of the attachment with internal threads, whereby it can be screwed on the threaded end of the tube. The conical point
65 2 and rubber cushion 5 do not interfere with the securing of the attachment.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. An applicator consisting of a collapsible
70 tube with a rigid tapering outlet end and an outlet passage-way therethrough, and a cushion covering the tapering portion of such outlet end with an orifice in it registering with the outlet passage-way from the tube, sub-
75 stantially as described.

2. An applicator consisting of a collapsible tube with a conical portion centrally through which an outlet passage-way extends, a threaded portion between said conical por-
80 tion and the body of the tube, a cushion enveloping such conical portion with an outlet-orifice in it registering with the outlet passage-way from said tube, and a cap for closing the tube adapted to surround said cush-
85 ion end and being internally threaded at its base to screw upon said threaded portion, substantially as described.

3. An applicator consisting of a collapsible tube with a conical portion centrally through
90 which an outlet passage-way extends and which is provided with an annular groove at its base, a threaded portion between the groove and the body of the tube, a cushion enveloping the conical portion and at its in-
95 ner end contracted and embedded in said groove and having an outlet-orifice that registers with the outlet passage-way from the tube, and a screw-cap for surrounding the conical portion and closing the tube, substan-
100 tially as described.

In witness whereof we have hereunto affixed our signatures in the presence of the witnesses herein named.

HENRY A. BIERLEY.
JOHN G. NEHRBAS.

Witnesses:

FLORENCE E. BRYANT,
V. H. LOCKWOOD.