

(No Model.)

T. B. PEACOCK.
VAGINAL SYRINGE.

No. 539,294.

Patented May 14, 1895.

Fig. I.

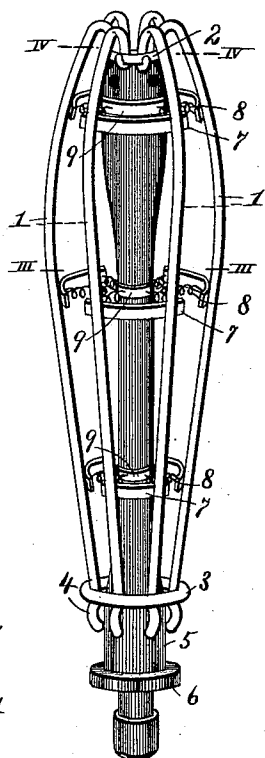


Fig. II.

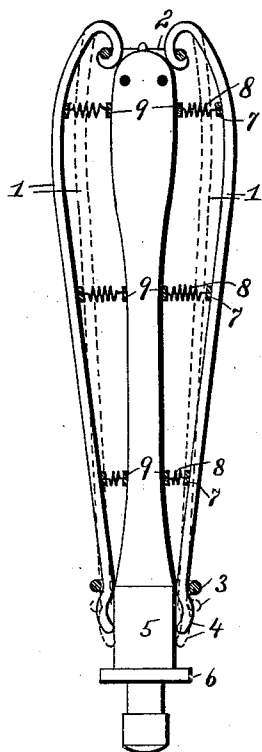


Fig. III.

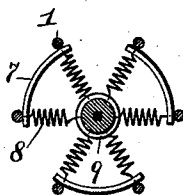
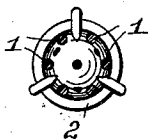


Fig. IV.



Witnesses:

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THOMAS BROWER PEACOCK, OF TOPEKA, KANSAS.

VAGINAL SYRINGE.

SPECIFICATION forming part of Letters Patent No. 539,294, dated May 14, 1895.

Application filed April 25, 1894. Serial No. 508,966. (No model.)

To all whom it may concern:

Be it known that I, THOMAS BROWER PEACOCK, a citizen of the United States, residing at Topeka, in the county of Shawnee, in the State of Kansas, have made certain new and useful Improvements in Vaginal Syringes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which are made a part of this specification.

My invention relates to improvements in vaginal syringes of that class in which provision is made for dilating the folds of the vaginal wall, and at the same time washing thoroughly the whole surface thereof; the object of my invention being to provide a dilator having flexible ribs which shall be capable of compression and expansion, whereby it will accommodate itself to the vaginal canal, and of its own elasticity dilate the wall without the interposition of extraneous means therefor; and my invention consists in certain features of novelty hereinafter described, and pointed out in the claims.

Figure I represents a perspective view of my improved syringe. Fig. II represents a longitudinal cross-section of the same. Fig. III represents a cross-section on the line III III of Fig. I, showing the relation of the spiral spring to the ribs and cross-ribs. Fig. IV shows a cross-section on the line IV IV of Fig. I, showing the means by which the ribs are secured at the upper ends.

Similar numerals refer to similar parts throughout the several views.

1, represents the flexible ribs of the dilator, which at the top are curved inward and secured to the ring 2. At their lower ends they pass under the band 3, which is retained thereon by the curved ends 4, of the ribs.

5, is the injector tube.

6, is an ordinary coupling for the attachment of soft rubber tubing.

7, represents the cross-ribs by which the ribs are secured together in pairs.

8, represents coiled wire springs between the cross-ribs and the injector tube, being secured at the inner end to the bands 9, around the tube, and by which the dilator is rendered

compressible and expansible, as shown in dotted lines in Fig. II.

I preferably use the coiled wire springs, as shown, but would not limit myself thereto, as any suitable spring may be used.

The injector tube 5, may be of any pattern usually in use, provided with bands 9.

The advantages I claim for my improved syringe are, first, the dilator being compressible, it is more easily introduced than those of the same class, which are non compressible; second, after being introduced, the flexible ribs of the dilator expanding by the action of the coiled spring; the dilator accommodates itself to the vaginal canal, and dilates the walls thereof, only to their natural expansibility, and without the interposition of any extraneous device therefor.

I claim—

1. In a vaginal syringe, an injector tube, flexible dilator fingers surrounding the tube, suitably connected at their upper ends, and at their lower ends slidingly secured about the tube, and a compressible, intermediate connection between the dilator fingers and the tube, substantially as shown and described and for the purposes set forth.

2. A vaginal syringe, consisting of an injection tube, flexible dilator fingers, connected in pairs, surrounding the tube, having suitable connection at the top and at the bottom, and suitable springs forming flexible connection between each pair of fingers and the tube, substantially as shown and described and for the purposes set forth.

3. A vaginal syringe, consisting of an injection tube, flexible dilator fingers turned in upon themselves at the upper end, and secured to a band 2, retained at their lower end by the band 3, and made compressible and adjustable by the coiled springs 8, interposed between the intermediate cross-ribs 7, and the bands 9, about the tube, substantially as shown and described and for the purposes set forth.

THOMAS BROWER PEACOCK.

Witnesses:

B. S. BROWN,

F. G. FISCHER.