

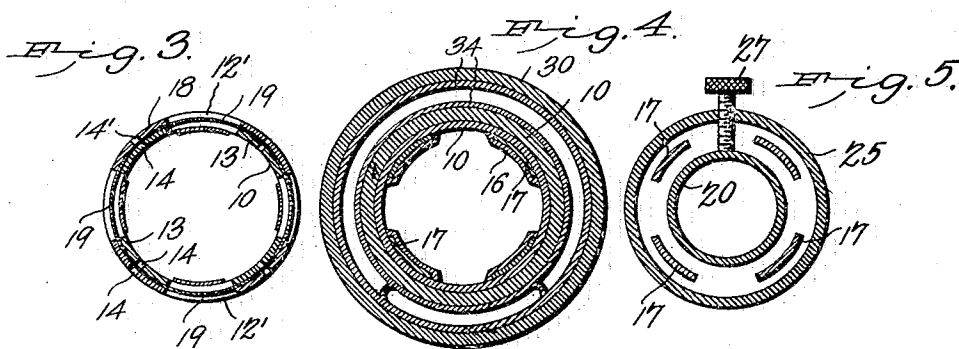
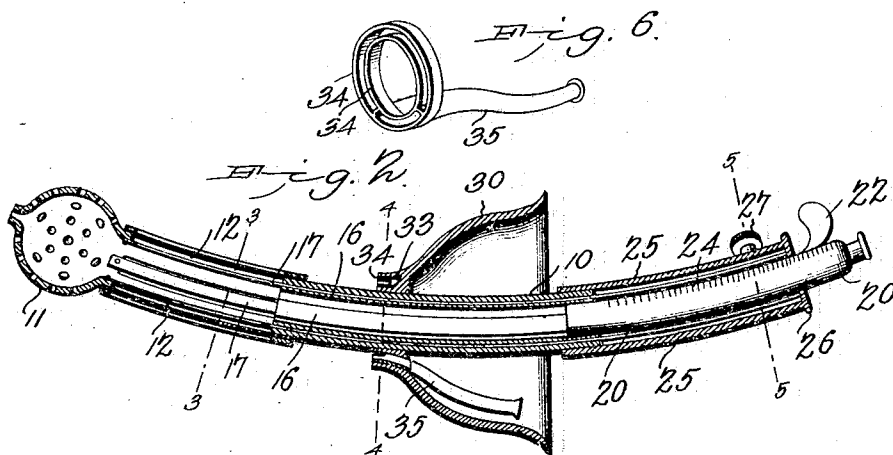
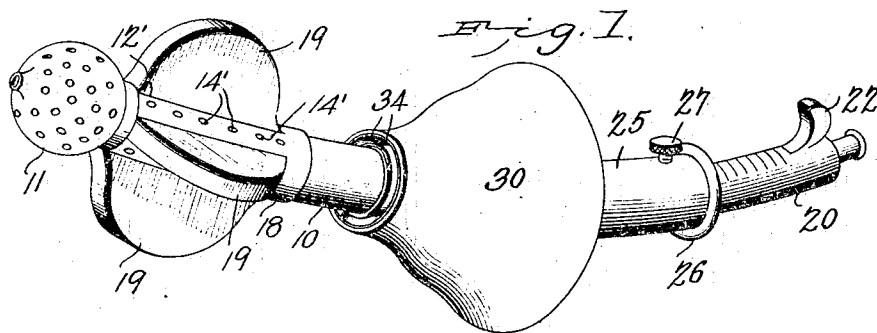
No. 766,336.

PATENTED AUG. 2, 1904.

C. O. FARRINGTON.
VAGINAL IRRIGATOR.

APPLICATION FILED DEC. 13, 1902. RENEWED DEC. 5, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES O. FARRINGTON, OF PALESTINE, TEXAS.

VAGINAL IRRIGATOR.

SPECIFICATION forming part of Letters Patent No. 766,336, dated August 2, 1904.

Application filed December 13, 1902. Renewed December 5, 1903. Serial No. 183,976. (No model.)

To all whom it may concern:

Be it known that I, CHARLES O. FARRINGTON, a citizen of the United States, residing at Palestine, in the county of Anderson and State of Texas, have invented a new and useful Vaginal Irrigator, of which the following is a specification.

This invention relates to certain improvements in vaginal syringes, and has for its principal object to provide a device by which the vagina may be dilated and its walls held smooth and free from the natural folds, so that a cleansing fluid may act on the entire surface of the membrane.

A further object of the invention is to provide a device of this character in which the cleansing fluid may be directed into intimate contact with the entire cervix, the external os, and cul-de-sacs.

A further object of the invention is to provide a device of this character which may be readily adjusted and removed and which will automatically adjust itself in cases of malposition of the uterus without pain or inconvenience to the patient.

With these and other objects in view the invention consists in the novel construction and arrangement of parts hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that various changes in the form, proportions, size, and minor details of the structure may be made without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, Figure 1 is a perspective view of a vaginal irrigator constructed in accordance with my invention. Fig. 2 is a longitudinal sectional elevation of the same. Figs. 3, 4, and 5 are transverse sectional elevations of the device on the corresponding section-lines of Fig. 2. Fig. 6 is a detail perspective view of a portion of the discharge-tube.

Similar numerals of reference are employed to indicate corresponding parts throughout the several figures of the drawings.

The main tube 10 of the irrigator is preferably slightly curved and at its inner end is

provided with a detachable rose 11, having numerous small perforations to permit the discharge of jets of fluid in all directions. Near the inner end of the tube 10 are longitudinal parallel slots 12 of any desired number, four being shown in the present construction. The strips or ribs 13 between the slots are provided with perforations 14 to permit the discharge of the water or other fluid.

In the body portion of the tube 10 are arranged four passages 16, extending from the outer ends of the slots 12 to the outer end of said tube and adapted for the reception of a corresponding number of thin strips 17, formed of spring-steel, the inner ends of the springs being secured to the tube and that portion of their length opposite the slots 12 being adapted to pass through the slots in bowed form to act as dilators when endwise pressure is exerted on the outer ends of said springs.

18 designates a sleeve or collar which is fitted over the inner end of the tube 10 and is provided with slots 12' and perforations 14', corresponding to those of the tube and in alinement therewith. The sleeve serves as a securing device for a strip or tube 19 of thin rubber of great elasticity, the rubber covering the spring dilators and being stretched as the dilators are forced out through the slots. The rubber further prevents injury to the membrane as the dilators are allowed to return within the slots.

At the outer end of the main tube 10 is secured a smaller tube 20, preferably formed of metal and provided at its extreme outer end with the usual ribbed or spherical head for attachment to a fluid-supply tube leading from an elevated reservoir or a forcing-bulb. The tube 20 is provided with a small curved plate 22 near its outer end for convenience in holding the device in adjusted position, and on its upper surface are teeth or serrations 24 for a purpose hereinafter described.

Mounted on the tube 10 and sliding freely thereon is a slightly-curved tube 25, having at its outer end a rigid collar 26, the opening in which is of sufficient diameter to permit the entrance of the tube-section 20, and said

tube is provided with a threaded opening for the passage of a thumb-screw 27, adapted to make contact with the teeth or serrations 24 of the tube 20 and confine the tube 25 in any position to which it may be adjusted. To the collar 26 are secured the outer ends of the several dilating-springs 17, so that inward movement of the tube and collar after the introduction of the tube 10 will force the springs outwardly to effect any desired degree of dilation, the springs being locked in dilating position by the thumb-screw 27.

On the tube 10 is mounted a tightly-fitting longitudinally-adjustable shield or protector 30 to engage the person and prevent accidental discharge of the fluid. The shield is formed of rubber of suitable shape for the purpose intended, and one end of its tube-engaging collar is provided with an annular groove 33 for the reception of a pair of concentric rings 34, formed of metal and connected to the inner flattened end of a metallic discharge-tube 35, which extends through the shield and terminates in a rounded end portion for engagement with a rubber or other discharge-tube which may lead to a suitable vessel on the floor to receive the discharged liquid.

With a device of this character large quantities of water or other fluid may be directed into contact with the entire surface of the membrane and is found of especial value in the treatment of various utero-cervical diseases.

Having thus described the invention, what is claimed is—

1. In a device of the class specified, the combination with a fluid-supply tube having a plurality of parallel slots, of springs arranged within the tube and adapted to be partly projected through the slots, said springs having their inner ends secured to the tube, an adjustable member secured to the outer ends of said springs, and elastic covers extending around that portion of the springs which project through the slots.

2. The combination with a slotted fluid-supply tube, of a plurality of springs guided within the tube and having their inner ends secured thereto, an auxiliary slotted collar, elastic material confined between the collar and the tube and covering the several slots, and an adjustable member secured to the outer ends of the springs to permit the projection of the springs through the slots.

3. In a device of the class specified, the combination with a slotted fluid-supply tube, of a plurality of springs guided within the tube and normally lying within the peripheral line thereof, said springs having their inner ends secured to the tube, and an adjustable member secured to the outer ends of said springs and adapted to force the latter through the slots of the tube.

4. In a device of the class specified, a slotted fluid-supply tube having longitudinally-dis-

posed spring-guiding passages, springs arranged within said passages and having their inner ends secured to the inner end of the tube, a longitudinally-adjustable member secured to the outer ends of the springs, and means for securing said member in adjusted position.

5. In a device of the class specified, the combination with a slotted fluid-introducing tube, of a plurality of springs normally disposed within the line of the tube and adapted to be projected through the slots, and an independent elastic cover for each of said springs.

6. In a device of the class specified, the combination with a slotted fluid-introducing tube provided with peripheral discharge-openings, of a plurality of springs arranged within the tube, means for projecting the springs through the slots to act as dilators, and a rose arranged at the extreme inner end of said tube.

7. In a device of the class specified, the combination with a slotted fluid-introducing tube, of a plurality of dilating-springs normally lying within the peripheral line of the tube and having their inner ends secured to the inner end of the tube, an outer tube member mounted upon the main tube and adjustable longitudinally thereof, said outer tube being secured to the outer ends of the springs, and means for locking said outer tube in adjusted position.

8. In a device of the class specified, the combination with a slotted fluid-introducing tube, of a plurality of dilating-springs having their inner ends secured to the inner end of the tube, a secondary tube member having at one end a hose-connecting means, an outer adjustable tube secured to the outer ends of the springs, and means for clamping said outer tube in adjusted position.

9. In a device of the class specified, the combination with a slotted fluid-introducing tube, of a plurality of springs having their inner ends secured to said tube and adapted to be projected through the slots, a secondary tube member having a serrated face, an outer tube adjustable longitudinally of the main tube and secured to the outer ends of the springs, and a screw carried by said outer tube and adapted to engage the serrations.

10. In a device of the class specified, the combination with the fluid-introducing tube, of a shield formed of yielding material and adjustable longitudinally on the tube, said shield being provided on its forward face with an annular groove, a pair of concentrically-disposed metallic rings arranged within the groove, and serving to hold the same open and a fluid-discharge tube having its inner ends connected to the said rings.

11. In a device of the class specified, the combination with a slotted fluid-introducing tube, of a plurality of dilating-springs having their inner ends secured to one end of the tube, a secondary tube member secured to the first

and having at one end a hose-connecting
means, a curved plate or holder secured to
the said auxiliary tube, an outer tube mem-
ber adjustable longitudinally of the main tube
5 and provided with locking means for engag-
ing the secondary tube, said outer tube being
secured to the outer ends of the springs, a
guard adjustable longitudinally of the main
tube and provided on its forward face with an
10 annular groove, a pair of concentric bands fit-

ting within said annular groove, and a fluid-
discharge tube connected to said bands, sub-
stantially as specified.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 15
the presence of two witnesses.

CHARLES O. FARRINGTON.

Witnesses:

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F. L. DAVIS.