

H. W. CHAMPLIN.
VAGINAL IRRIGATING SYRINGE.
APPLICATION FILED DEC. 7, 1909.

962,313.

Patented June 21, 1910.

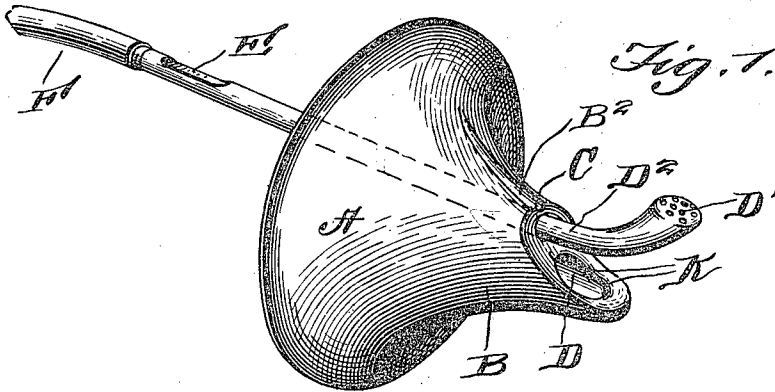


Fig. 2.

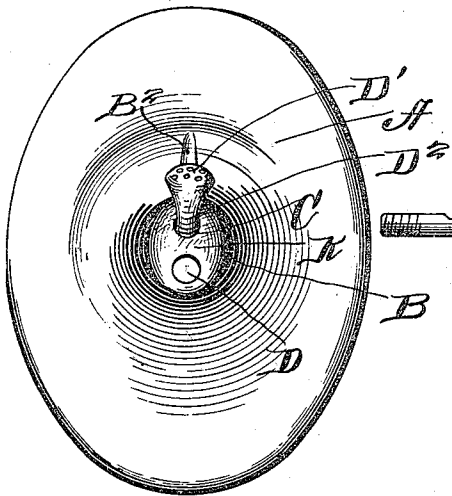
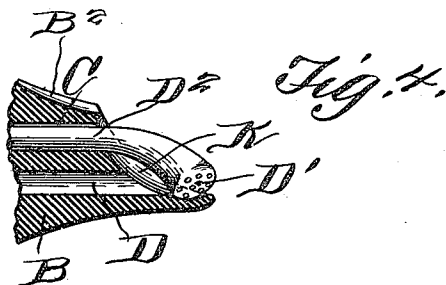
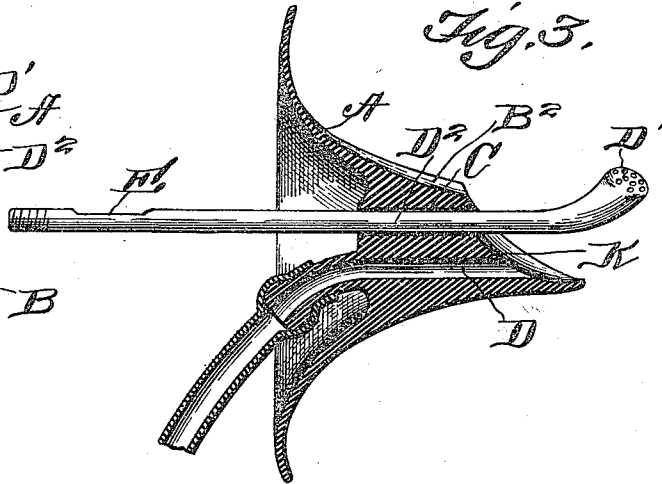


Fig. 3.



Witnesses

R. A. Brownell.
N. E. Smith.

By

Inventor
H. W. Champlin
a. L. Hough.
Attorney

UNITED STATES PATENT OFFICE.

HENRY W. CHAMPLIN, OF WALTERS PARK, PENNSYLVANIA.

VAGINAL IRRIGATING-SYRINGE.

962,313.

Specification of Letters Patent. Patented June 21, 1910.

Application filed December 7, 1909. Serial No. 531,915.

To all whom it may concern:

Be it known that I, HENRY W. CHAMPLIN, a citizen of the United States, residing at Walters Park, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Vaginal Irrigating-Syringes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in vaginal irrigating syringes, and the object in view is to produce a simple and efficient device of this character, and so constructed, that the vaginal orifice may be closed while using a douche, means being provided to protect the sensitive superficial nerves from the hot solution usually employed in treating the vaginal mucous membrane.

The present invention comprises various details of construction and combinations of parts as will be hereinafter fully described and then specifically defined in the appended claim.

I illustrate my invention in the accompanying drawings, in which,

Figure 1 is a perspective view of the vaginal irrigating syringe made in accordance with my invention. Fig. 2 is a front plan view. Fig. 3, a central vertical sectional view through the device longitudinally, and Fig. 4 is a detail view.

Reference now being had to the details of the drawings by letter A designates a shield or plug, which may be made of any suitable material, and which flares preferably in the manner shown in the drawings. Said shield has a solid shank portion B, provided with two ducts C and D, the former of which is positioned above the latter and is adapted for the reception of the douche tube D², having a perforated nozzle D' at one end, which nozzle flares as shown and is upwardly extended, and so arranged that the fluid may be distributed in numerous jets to thoroughly cleanse the various parts of the mucous membrane, thus avoiding the harm and danger of a single or few jets. The

tube D² is movable through the duct C, in order that the nozzle end thereof, may be brought into different positions to conveniently reach all of the parts to be treated. The outer end of the tube D² is preferably flattened as at E, forming a convenient means whereby the tube may be rotated, or moved back and forth through the aperture C. A flexible pipe F is adapted to be attached to the outer end of the tube D², and through which the solution is conducted to the tube D².

It will be noted that the inner end of the shield or plug, is slightly dished as at K, so as to allow the solution, after having been sprayed against the mucous membrane, to flow into the drainage duct D. The outer end of said duct D, projects beyond the solid portion O of the shield or tube, and is downwardly disposed, and to which projecting end, a pipe is adapted to be connected to convey away the solution. The thin marginal edge of the shield flares as shown and is adapted to conform to the adjacent parts of the vaginal orifice, and serve to hold the instrument in place.

The operation of the device will be readily understood, and owing to its simplicity of construction, it may be operated readily by the individual being treated. By the wide range of the movement of the tube D² back and forth through the duct in the shield, as well as the provision of allowing a rotary movement being imparted to the tube all parts of the surface of the mucous membrane may be conveniently reached, and thoroughly cleansed and medicated.

Should it be desired to cause the solution to remain within the vaginal cavity for the purpose of ballooning the vagina, to thoroughly medicate the os uteri, and membrane, it may be readily done by simply pinching the flexible pipe connected to the tube D².

As the tube D² is loosely mounted in the duct in the shield, it may be readily removed for cleansing or other purposes, and may be used independently of the other parts of the apparatus if desired.

When the device is adjusted in position for use, the urethra, coming adjacent to the groove B², will be protected against pressure of the shield. By the curving back of the marginal edge of the shield as shown, the

pressure is evenly distributed against the surface of the skin, thus relieving the tender parts within, of undue pressure.

What I claim to be new is,

- 5 A vaginal syringe, comprising a conical shaped shield concaved longitudinally, and having a solid shank portion, the apex of which is truncated at an inclination and concaved forming a dished drainage receptacle, said shank portion being provided with ducts leading therethrough, and opening through the bottom of the dished receptacle, said ducts being positioned one above the other, and the lower one serving
10 as a drainage duct, the outer end of the solid shank of the shield having a downwardly curved integral nipple through

which said drainage duct leads, and adapted to receive the end of a tube, a nozzle tube movably mounted within the upper of said ducts, and held from tilting therein by the length of the duct through which it passes, a portion of the circumference of said tube being flattened, the concaved surface of the shield being provided with a longitudinally disposed channel immediately above said ducts, as shown and described. 20 25

In testimony whereof I hereunto affix my signature in presence of two witnesses.

HENRY W. CHAMPLIN.

Witnesses:

ROBERT L. WALTERS,
E. L. DOCKEY.