(No Model.)

M. E. KELLER.

COMBINED PESSARY AND WOMB BATTERY.

No. 563,387. Patented July 7, 1896.

Fig. 1.

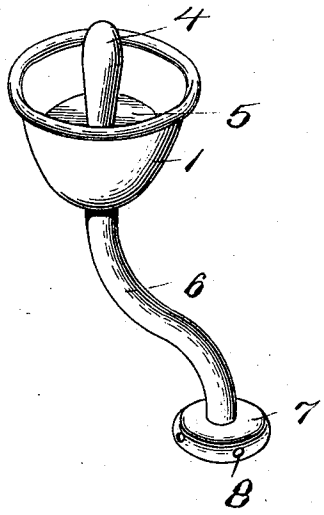


Fig. 2.

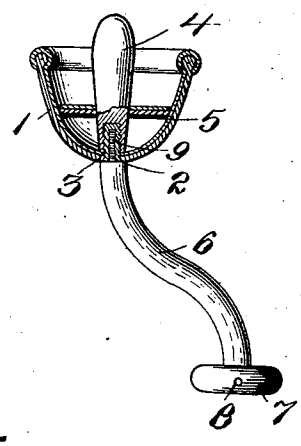


Fig. 4.

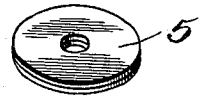


Fig. 3.

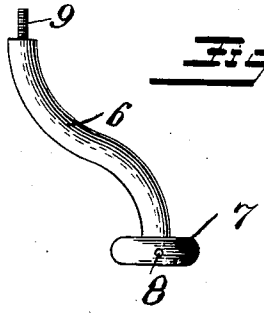


Fig. 6.

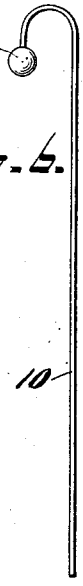
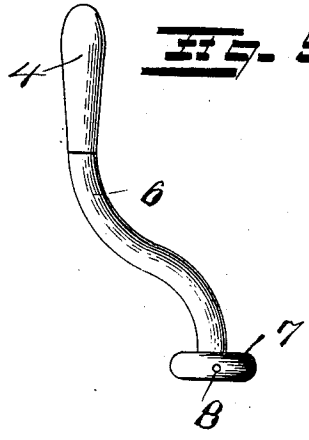


Fig. 5.



Inventor
Martha Ellen Keller,

Witnesses
H. J. Koerth.
G. C. Shoemaker.

By her Attorneys.
C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

MARTHA ELLEN KELLER, OF FORT WORTH, TEXAS.

COMBINED PESSARY AND WOMB-BATTERY.

SPECIFICATION forming part of Letters Patent No. 563,387, dated July 7, 1896.

Application filed July 31, 1895. Serial No. 557,746. (No model.)

To all whom it may concern:

Be it known that I, MARTHA ELLEN KELLER, a citizen of the United States, residing at Fort Worth, in the county of Tarrant and State of Texas, have invented a new and useful Combined Pessary and Womb-Battery, of which the following is a specification.

This invention aims to provide an improved appliance for the treatment of diseases and abnormal conditions of the uterus and pelvic viscera peculiar to women, and to stimulate the genitals to a healthy and normal action both mechanically and electrically; to provide a device which can be worn without discomfort or liability to displacement when the patient is in a sitting position; to devise a contrivance for the purposes aforesaid which will generate a mild galvanic current by the chemical action of the natural fluids thereon, and to provide a supporter which will not distort the parts and which can be worn in safety during maternity, and which will be free from corrosive action on the surfaces coming in contact with the parts to be treated.

Other objects such as appertain to devices of this character are contemplated, and will appear from the following description and the drawings hereto attached, in which—

Figure 1 is a perspective view of a device constructed in accordance with this invention. Fig. 2 is a vertical section thereof. Fig. 3 is a detail view of the arm. Fig. 4 is a detail view of the electrode. Fig. 5 is a detail view of the stem and the arm. Fig. 6 is a detail view of a rod to be used for placing and removing the device when the arm is dispensed with.

The cup 1 is of proper diameter and depth, and its edge is beaded to obviate injury to the parts and to assist in retaining the device in place after being properly adjusted. This cup is made of aluminium and is lined with silver. A threaded opening 2 is formed centrally in the bottom of the cup to receive a zinc screw 3, which has a milled head at its lower or outer end. The stem 4, of silver, is attached to the upper end of the screw 3 by means of a screw-thread joint and occupies a central position relative to the cup.

The electrode 5 is a plate of zinc centrally apertured to receive the base of the stem 4 and fits snugly within the bottom of the cup, and this electrode is covered on one side with a layer of silver. The arm 6 is ogee shape, so as to conform to the structural arrangement or anatomy of the parts, so as not to cause irritation or annoyance. This arm is formed of aluminium and has a head or button 7 at its outer or lower end, which is apertured or bored, as shown at 8, for the passage of elastic cords or tapes for supporting and sustaining the device in place. The parts 5 and 3 form electrodes, which coöperate with the stem and the silver lining of the cup to generate an electric current. When it is required to secure a stronger current than usual, a piece of absorbent material, felt or blotting-paper, is interposed between the plate 5 and the bottom of the cup, and this piece is moistened with diluted acetic acid, salt and water, or any exciting fluid. By removing the plate 5 and replacing the screw 3 by one of silver no galvanic action will take place and the device can be worn as a supporter simply.

The device is light, strong, and not susceptible to corrosion, and is especially constructed to attain ease and comfort to the patient while stimulating and promoting a healthy action of the uterus and the parts intimately associated therewith.

The arm 6 has a threaded end portion 9 to screw into an opening or bore of the screw 3, so as to detachably connect the arm with the cup.

In some instances the arm 6 is dispensed with and a rod 10 used to position and remove the device. One end of the rod is fitted into the screw 3, and after the appliance is properly adjusted the rod is withdrawn. To remove the device, the rod 10 has one end, as 11, recurved or hooked and terminating in a ball, and this end is introduced into the vagina and manipulated until it catches over the edge of the cup, when the latter can be displaced by pulling gently upon the rod, the ball or enlarged end of the rod preventing injury. When it is required to apply medicine, the stem 4 is dispensed with and the electrode 5 receives the medicine and supports the same in contact with the part to be treated. For this purpose it is preferable to have the electrode imperforate to the better support the

medicine and obviate injury to the mouth of the womb.

The introduction and the withdrawal of the device can be accomplished in any convenient and well-known manner, either by means of the arm 6 or the rod 10, according to the manner of using the device, as will suggest itself to the patient and as commonly resorted to in applying devices of this nature.

Having thus described the invention, what is claimed as new is—

1. A pessary comprising a cup of aluminium lined with silver, a silver stem, and a zinc plate arranged at the base of the stem and in the bottom of the cup, substantially as set forth.

2. A pessary comprising a cup presenting an inner surface of silver, a zinc piece in the bottom of the cup, and a metallic stem, substantially as specified.

3. A pessary comprising a cup presenting an inner surface of silver, a zinc screw in the bottom of the cup, and a silver stem attached to the zinc screw, substantially as specified.

4. The combination with a pessary presenting an inner surface of silver, of a silver stem, and a plate of zinc arranged at the bottom of the pessary, substantially as described.

5. A pessary comprising a cup beaded at its edge and presenting an inner surface of silver, a zinc screw fitted in the bottom of the cup, a silver stem secured to the screw, a zinc plate apertured to receive the stem and placed in the bottom of the cup, and an ogee-shaped arm detachably connected with the screw and having a button at its outer end, substantially as set forth.

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

MARTHA ELLEN KELLER.

Witnesses:

WM. CAPPS,

L. D. PRATHER.