

No. 844,335.

PATENTED FEB. 19, 1907.

J. H. DODSON.

SYRINGE.

APPLICATION FILED JAN. 30, 1905.

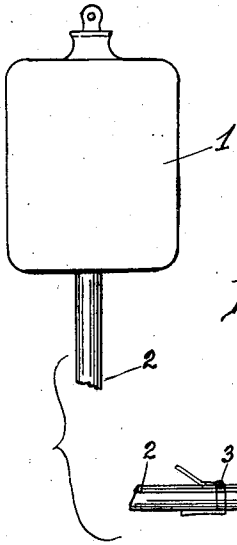


Fig. 1.

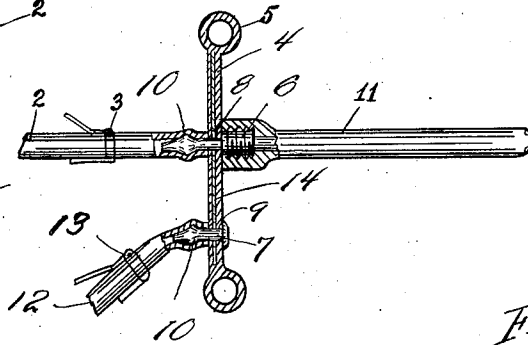


Fig. 2.

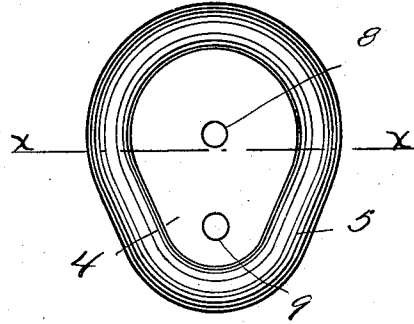


Fig. 3.

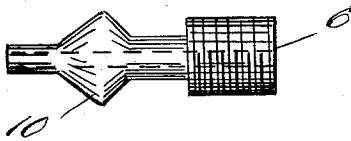


Fig. 4.

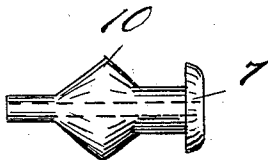
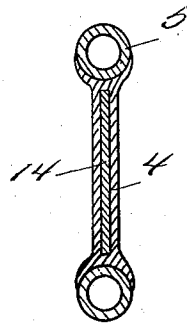


Fig. 5.



WITNESSES:

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SYRINGE.

No. 844,335.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed January 30, 1905. Serial No. 243,180.

To all whom it may concern:

Be it known that I, JOSEPH H. DODSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Syringes, of which the following is a specification.

My invention relates to those syringes which are employed for cleansing the vagina with water or other suitable cleansing fluid. In order to effectually accomplish this result, it is essential that the walls be ballooned out, so that a smooth surface will be presented for the cleansing fluid. The syringes with which applicant is familiar, designed for this purpose, either fail to effectually close the mouth of the vagina, and thus render it impossible to balloon out the walls, or else are so constructed that it is not possible to use highly-heated water, owing to the fact that heat communicates itself to the shield, and as a consequence to the tender parts.

My invention has for its object to overcome these difficulties and by simple and inexpensive construction provide a shield which will not only properly close the mouth of the vagina at all times, but which will not permit the communication of the temperature of the cleansing fluid to the shield.

My invention consists in the combination of parts hereinafter described and claimed.

In order to more readily understand my method of accomplishing the foregoing, reference may be had to the accompanying drawings, which are hereunto annexed and are a part of this specification, in which—

Figure 1 is an elevation, partly in section, showing my improved shield in connection with the syringe. Figs. 2, 3, and 4 are detail views. Fig. 5 is a sectional view taken on the line X X in Fig. 2, showing a modified form of construction for the shield proper.

Similar figures refer to similar parts throughout the entire description.

In the drawings, 1 is a water-bag or other similar device having a feed-tube 2 extending any suitable distance from the lower extremity. This tube is supplied with a clamp 3 of the usual construction. The important feature of the invention consists of the shield 4, which is constructed of rubber and has at its upper edge a tire or tube 5 extending around its periphery. This tube acts as a cushion, and owing to its resilient and compressible character serves to effectually close the opening, the air-chamber through the

center serving to form an effectual insulation to prevent the communication of heat to the tender parts. This shield is provided with nipples 6 and 7, (better shown in the detail views, Figs. 3 and 4,) openings 8 and 9 being provided in the shield for their insertion. These openings are of slightly smaller diameter than the central portion 10 on the nipples, so that the elasticity of the rubber will cause it to clamp the nipples firmly in place, and thus prevent leakage. The nipple 6 is provided with a thread upon which is mounted a nozzle-tip 11. This thread is of the standard pitch which is used in articles of this description, so as to permit the substitution of any other nozzle-tip. A tube 12 is mounted upon the nipple 7 and serves to carry away the cleansing liquid, said tube being likewise provided with a clamp 13 of the usual construction.

In construction the shield 4 and cushion 5 may be molded integral or it may be found desirable to construct the shield as shown in Fig. 5, having the cushion made separate and of slightly smaller diameter than the periphery of the shield, so that the tension exerted by stretching the cushion 5 will be sufficient to hold it in place. Should an additional stiffness be required in the shield 4, it may be found desirable to insert a thin sheet of metal 14 or some other suitable material for the purpose of stiffening the shield.

Having described my invention, what I regard as new, and desire to secure by Letters Patent, is—

1. In a device of the character set forth, the combination with a source of supply and a feed-tube, of an injector or nozzle-tip removably applied to a shield formed of rubber having a cushion of tubular construction extending around its periphery, said cushion being provided with an air-chamber in its interior, said shield having openings therein, nipples mounted in said openings, said shield and said cushion being formed integral, said shield being provided with a stiffening-plate of suitable material, for the purpose set forth substantially as described.

2. In a device of the character set forth, the combination with a source of supply and a feed-tube, of an injector or nozzle-tip removably applied to a shield formed of rubber having a cushion of tubular construction extending around its periphery, said cushion being provided with an air-chamber in its interior, said shield having openings therein,

nipples mounted in said openings, said nipples having openings or passages extending through, one of said nipples being provided with an exterior-threaded portion, a nozzle-
5 tip mounted upon the said threaded portion, means to permit the inflow and outflow of the cleansing fluid and means to cut out the said flow, said shield and said cushion being

formed integral, said shield being provided with a stiffening-plate of suitable material, 10 for the purpose set forth substantially as described.

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Witnesses:

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