

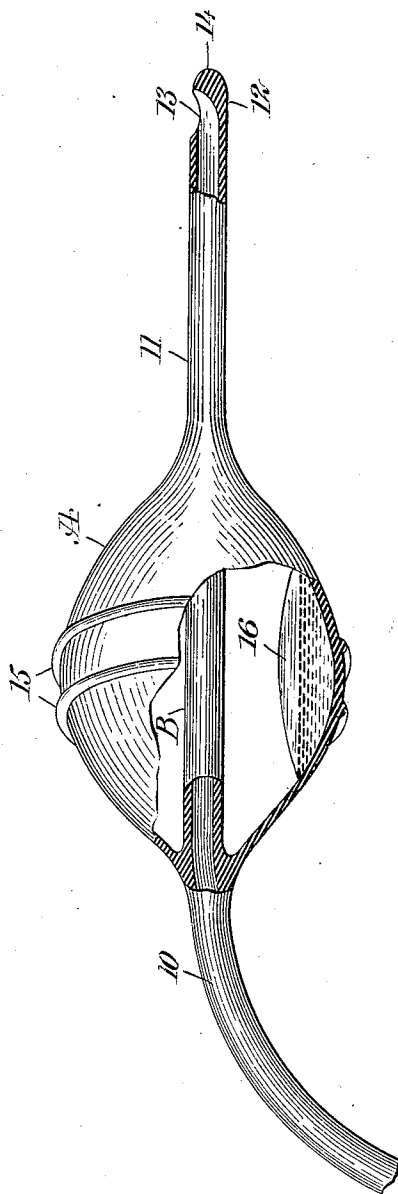
No. 856,093.

PATENTED JUNE 4, 1907.

H. F. ONG.

SYRINGE NOZZLE.

APPLICATION FILED APR. 3, 1906.



WITNESSES

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HARLON F. ONG, OF PORTLAND, OREGON.

SYRINGE-NOZZLE.

No. 856,093.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed April 3, 1906. Serial No. 309,598.

To all whom it may concern:

Be it known that I, HARLON F. ONG, a citizen of the United States, and a resident of Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Syringe-Nozzle, of which the following is a full, clear, and exact description.

The purpose of the invention is to provide a nozzle for fountain syringes or douches, in which a tube having a catheter pointed extremity is provided with an attached bulb, but is not in communication therewith, the tube being adapted to enter the vagina, rectum or other cavity, permitting the inflowing liquid to leave the nozzle at an angle with sufficient current and force to be highly serviceable in agitating any and all fluid contained in the cavity at any time in its use.

Another purpose of the invention is to so construct the bulb as to define its proper position relative to the outer wall of the cavity, insuring a perfect closure of the mouth of the cavity until the liquid is to be discharged therefrom, and also to so construct the bulb that it will not become dry, cracked nor harsh, thus preventing injury to the delicate and sensitive tissues with which it is adapted to contact.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claim.

Reference is to be had to the accompanying drawing forming a part of this specification, which is a sectional side elevation of the improved point.

The improved nozzle is constructed of one piece of soft rubber, and includes in combination a bulb A and a tube B, which extends through the bulb but is not in communication therewith. The inner end 10 of the tube is adapted to be connected in any approved manner with the outlet tube of a fountain of any approved type, and the

outer end 11, or that which is to be introduced in the cavity, is provided with a catheter pointed extremity 12, the orifice 13 whereof is at one side adjacent to the tip 14, and is given more or less of an inclination downward or inward in direction of the bulb A. The material at the tip 14 is increased in thickness to form a cushion at such point.

The above construction of the nozzle enables the liquid to leave it at an angle, and during the use of the instrument causes a constant agitation of all the liquid in the cavity.

One or more annular ribs 15 are formed on the exterior of the bulb A, preferably at its central portion, which serve by contact to effect a proper closure of the mouth of the cavity.

Since the bulb comes in contact with very delicate and sensitive tissues, it is highly important that the structure should never become dry, cracked, or harsh, and this is effectually prevented by the arrangement of the closed cavity in the bulb, having no communication with the tube whereby the liquid and gas are prevented from escaping.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent,—

A syringe point having a catheter extremity adapted to enter a cavity, a tube forming a continuation of the catheter extremity, a bulb encircling and constituting an integral portion of the tube, the cavity of said bulb being closed and having no communication with the tube opening, said cavity containing gas and liquid for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARLON F. ONG.

Witnesses:

ORE L. PRICE,
F. A. BUFFUM.