No. 735,276. PATENTED AUG. 4, 1903.

J. R. LANE.

VAGINAL SYRINGE.

APPLICATION FILED DEC. 1, 1902.

NO MODEL.

FIG. 2.

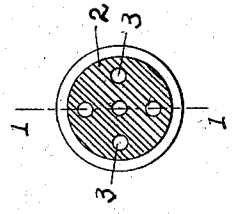


FIG. 4

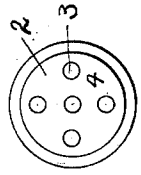


FIG. 1.

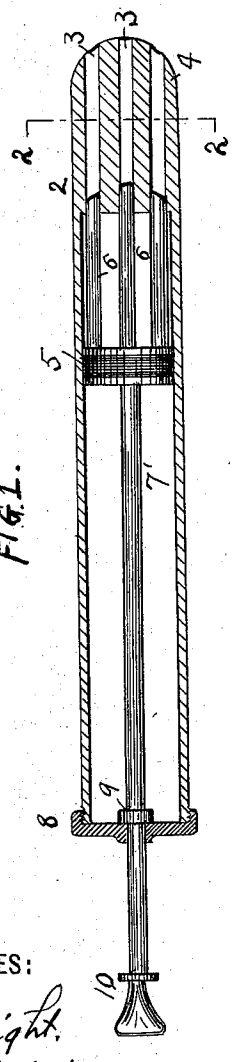
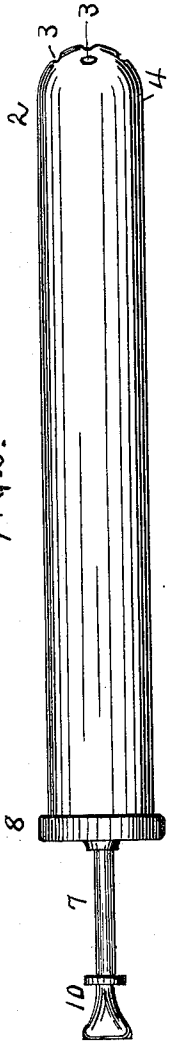


FIG. 3.



WITNESSES:

F. W. Wright.

E. W. Collins

INVENTOR

JOHN R. LANE

BY

Howson and Howson

HIS ATTORNEYS.

No. 735,276. Patented August 4, 1903.

UNITED STATES PATENT OFFICE.

JOHN R. LANE, OF NEW YORK, N. Y.

VAGINAL SYRINGE.

SPECIFICATION forming part of Letters Patent No. 735,276, dated August 4, 1903.

Application filed December 1, 1902. Serial No. 133,392. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. LANE, a citizen of the United States of America, and a resident of New York city, in the county and State of New York, have invented an Improved Vaginal Injector, of which the following is a specification.

In the use of vaginal injectors as usually constructed with a number of discharge-openings some of these openings are apt to be more obstructed than others by the parts being treated, and consequently the treating liquid will escape through the less obstructed openings. The consequence is that some of the parts fail to be treated.

The object of my invention is to construct a vaginal injector so that the treating fluid will be uniformly distributed from all the openings and all the parts therefore be equally well treated.

In the accompanying drawings, Figure 1 is a sectional view of my injector on the line 1 1, Fig. 2. Fig. 2 is a sectional view on the line 2 2, Fig. 1. Fig. 3 is a side elevation, and Fig. 4 is an end view.

The main body or cylinder of the injector, preferably of hard rubber, is formed with a thickened end 2 of some length pierced with long chambers 3, opening to the interior of the cylinder and to the outer rounded end surface 4. A piston 5 fits the cylinder and carries a number of plungers 6, each fitting one of the chambers 3. The lengths of these plungers vary to conform to the rounded end 4 of the cylinder to produce equal capacities of the several chambers, as will be obvious on reference to Fig. 1.

A stem or rod 7, attached to the piston 5, passes through a detachable cover-cap 8, screwed or otherwise secured to the back end of the cylinder 1. This rod has a stop 9 to abut against the inner side of the cap 5 and prevent the withdrawal of the plungers from their chambers 3 except upon the removal of the cap 8. The piston-rod 7 carries a handle 10 at its outer end.

In injecting medicine into the vagina with this instrument the medicine will be forced out of each separate compartment by pushing the handled piston and plungers, thereby equally distributing the medicine to the parts to be treated.

I claim as my invention—

1. A vaginal injector having a cylinder adapted to be inserted into the part adapted to be treated, a plurality of chambers therein, with an individual plunger in each chamber, as and for the purpose described.

2. A vaginal injector having a cylinder adapted to be inserted into the part to be treated, a plurality of chambers therein, a plunger in each chamber and a common piston-rod carrying all the plungers, substantially as described.

3. A vaginal injector having a rounded end, and a plurality of chambers terminating in said rounded end, with a plunger in each chamber, the plungers conforming in lengths to the rounded end to produce equal capacities in the several chambers, substantially as described.

4. A vaginal injector comprising a cylinder having a thickened end pierced with elongated chambers, a plunger in each chamber, a common piston to which the plungers are attached and an operating-rod for the piston, substantially as described.

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

JOHN R. LANE.

Witnesses:

GEO. B. CHAMBERLAIN,

G. S. HAGERMAN.