United States Patent [19]

Boyden

[11] **3,709,220**

[45] **Jan. 9, 1973**

[54] **APPLICATOR FOR AN INTERNAL PROPHYLACTIC APPLIANCE**

[76] Inventor: **Albert C. Boyden,** 4306 Procter Place, San Diego, Calif. 92116

[22] Filed: **Oct. 23, 1970**

[21] Appl. No.: **83,452**

[52] **U.S. Cl.**.....**128/132 R,** 128/260, 128/343

[51] **Int. Cl.**.....**A61f 13/00,** A61f 5/46

[58] **Field of Search**.....128/132, 138 R, 138 A, 127, 128/349 R, 341, 343, 260

[56] **References Cited**

UNITED STATES PATENTS

1,351,917	9/1920	Kuhn	128/260 X
2,696,209	12/1954	Varaney	128/132 R
3,030,960	4/1962	Turner et al.	128/343 X
2,574,840	11/1951	Pieri et al.	128/349 R
3,421,509	1/1969	Fiore	128/343 X
504,424	9/1893	De Pezzer	128/349 R

Primary Examiner—Richard A. Gaudet
Assistant Examiner—Ronald L. Frinks
Attorney—Warren H. F. Schmieding

[57] **ABSTRACT**

The applicator comprises a tube having an opening at one end and a handle for manipulating the applicator at the opposite end of the tube. The tube receives a substantial portion of an impervious bag including the closed end thereof and carries the remainder of the bag on the exterior thereof, the tube having sufficient rigidity to insert the bag in position in a urethra.

4 Claims, 7 Drawing Figures

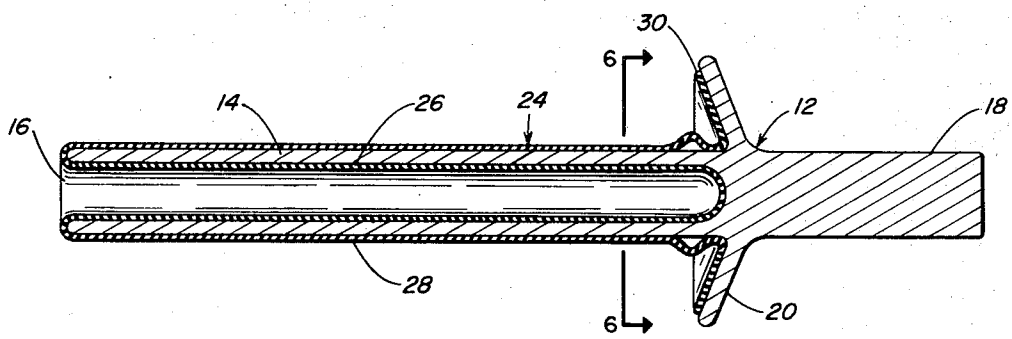
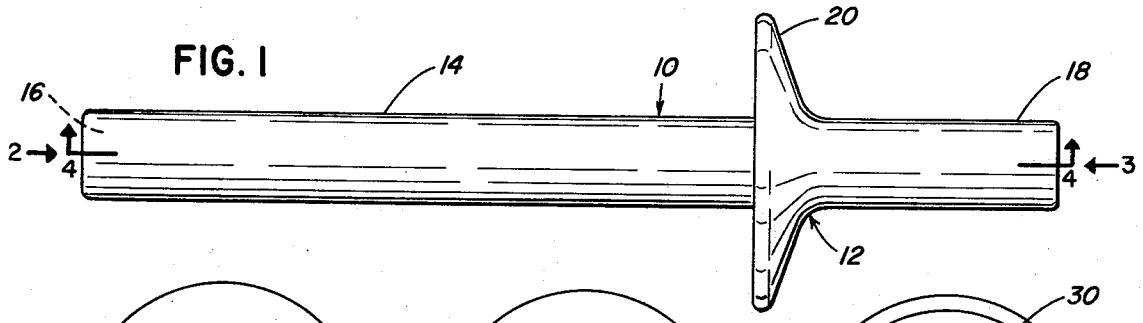


FIG. 1



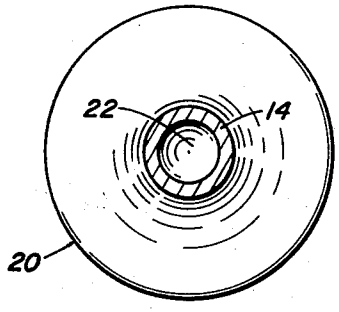


FIG. 2

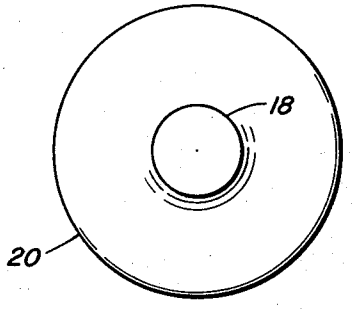


FIG. 3

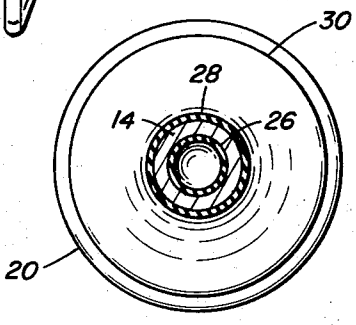


FIG. 6

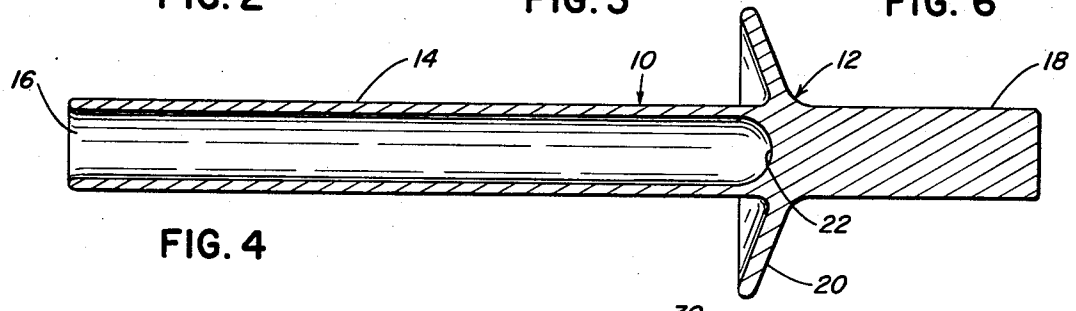


FIG. 4

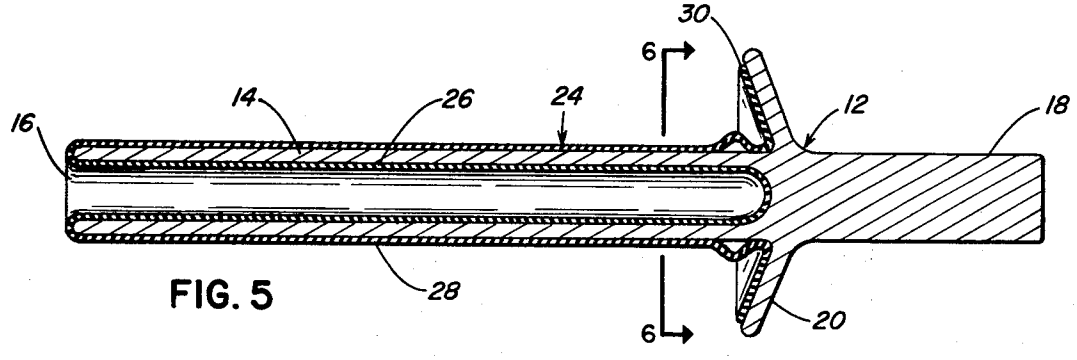


FIG. 5

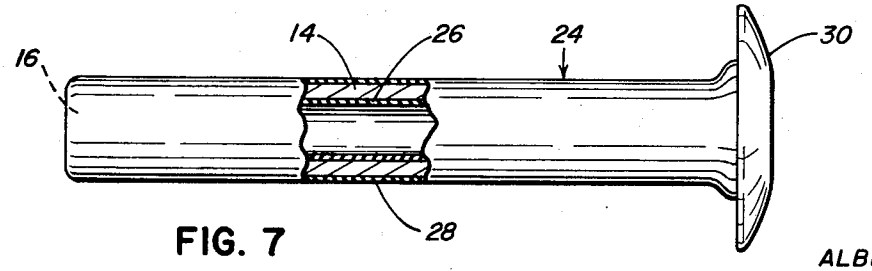


FIG. 7

INVENTOR.
ALBERT C. BOYDEN
BY
ATTORNEY.

APPLICATOR FOR AN INTERNAL PROPHYLACTIC APPLIANCE

BACKGROUND OF THE INVENTION

1. Field of the Invention

The invention is directed to applicators for inserting an internal prophylactic appliance into a urethra.

2. Description of the Prior Art

The prior art applicator, known to applicant, is the structure shown in the patent to Varaney U.S. Pat. No. 2,696,209 issued Dec. 7, 1954. That structure does not include a tube for receiving the closed end of a semen receiving bag or sack, and is difficult to insert properly in the urethra.

SUMMARY OF THE INVENTION

The applicator consists of a tube having an opening at one end and a handle for manipulating the tube at the opposite end. The tube is elongated sufficiently to encompass a substantial portion of the semen-receiving bag, including the closed end of the bag, and is of sufficient length to carry the remaining portion of the bag on the exterior thereof. The applicator has sufficient rigidity to insert the bag in position within the urethra.

Other features and the advantages of the present invention will be apparent from the following description, reference being had to the accompanying drawing wherein a preferred embodiment of the invention is illustrated.

BRIEF DESCRIPTION OF THE DRAWING

FIG. 1 is a side view of the applicator, greatly enlarged;

FIGS. 2 and 3 are end views looking in the direction of arrow 2 and arrow 3, respectively, of FIG. 1;

FIG. 4 is a sectional view taken along line 4—4 of FIG. 1, but on a larger scale;

FIG. 5 is a view similar to FIG. 4, but showing the bag on the applicator, the bag being shown in section;

FIG. 6 is a sectional view taken along line 6—6 of FIG. 5; and

FIG. 7 is a view of the applicator, part thereof being shown in section.

DESCRIPTION OF THE PREFERRED EMBODIMENT

The applicator **10** comprises a body **12** including a tube **14** which is preferably circular in cross section. The left end of the tube, as shown in the drawing, is open as at **16**. The body **12** includes a handle **18** at the opposite end of the tube. This handle is formed integrally with the tube. The body is flared outwardly and toward the left as at **20**, between the closed end **22** of the tube and the handle.

The bag or sack **24** which is to be inserted in the urethra is formed of thin, impervious, resilient and flexible material such as rubber. It may be elongated in one direction only, or may be formed as shown in FIG. **5**, i.e. one portion **26** being telescoped into an outer portion **28**. The inner portion **26** of the bag is pushed into the tube **14** through the open end **16** of the tube and the outer portion **28** is stretched over the exterior of the tube. The outer end of the bag is flared outwardly as at **30**.

The applicator **10** is formed of any suitable material such as a plastic which has sufficient rigidity to be inserted, together with the bag **24**, into the urethra. After the bag and applicator are inserted in the urethra a sufficient distance so that the flare **30** covers the end of the penis, the appliance is withdrawn by manipulating the applicator through the handle **18**. After ejaculation, the bag **24** can be grasped by the flare **30** and withdrawn from the urethra.

Thus it is apparent that by virtue of the present invention, I have provided an applicator for a prophylactic which is inexpensive to manufacture, easy to apply, insertable into the urethra with relatively little discomfort to the user.

Having described my invention, I now claim:

1. A prophylactic protector comprising in combination:

A. a body forming:

1. an elongated tube adapted to be withdrawn from a bag when the bag and tube are in a urethra, one end of said body being open,
2. a handle on the body at the opposite end of the tube;

B. an elongated, impervious, resilient and flexible bag, one end of said bag being closed and the opposite end thereof being open, a section of the bag including the closed end thereof being disposed in the tube, said section, because of its flexibility and resiliency, being in intimate contact with the inner surface of the tube, said bag including a continuous section that resiliently embraces the exterior of the tube throughout substantially the length of the tube.

2. An prophylactic protector as defined in claim 1, characterized in that the opposite end of the tube is closed and that the handle is an extension of that end.

3. An prophylactic protector as defined in claim 1, characterized in that the bag is of the type in which the open end is flared outwardly and that the tube includes an outwardly flared portion forming a backing for the flare on the bag.

4. An prophylactic protector as defined in claim 3, characterized in that the opposite end of the tube is closed and that the handle is an extension of that end.

* * * * *