

No. 714,952.

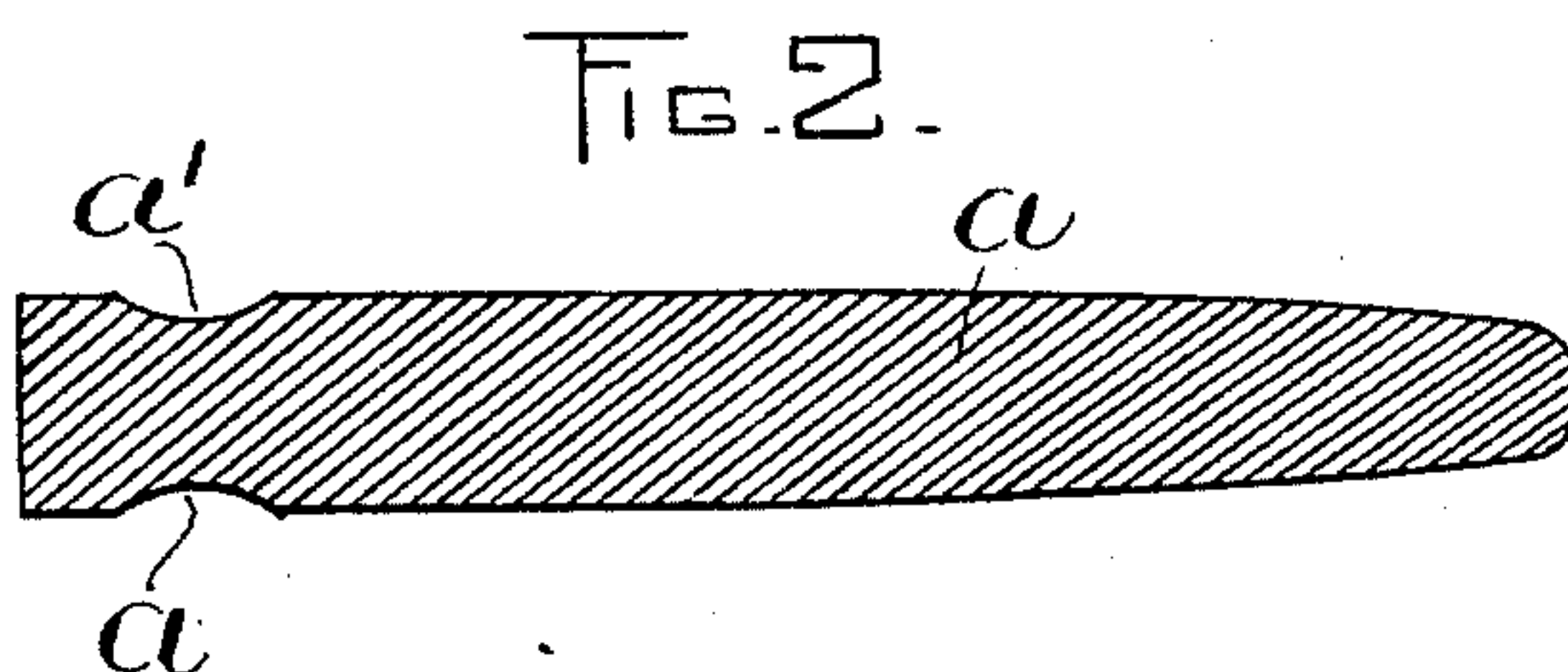
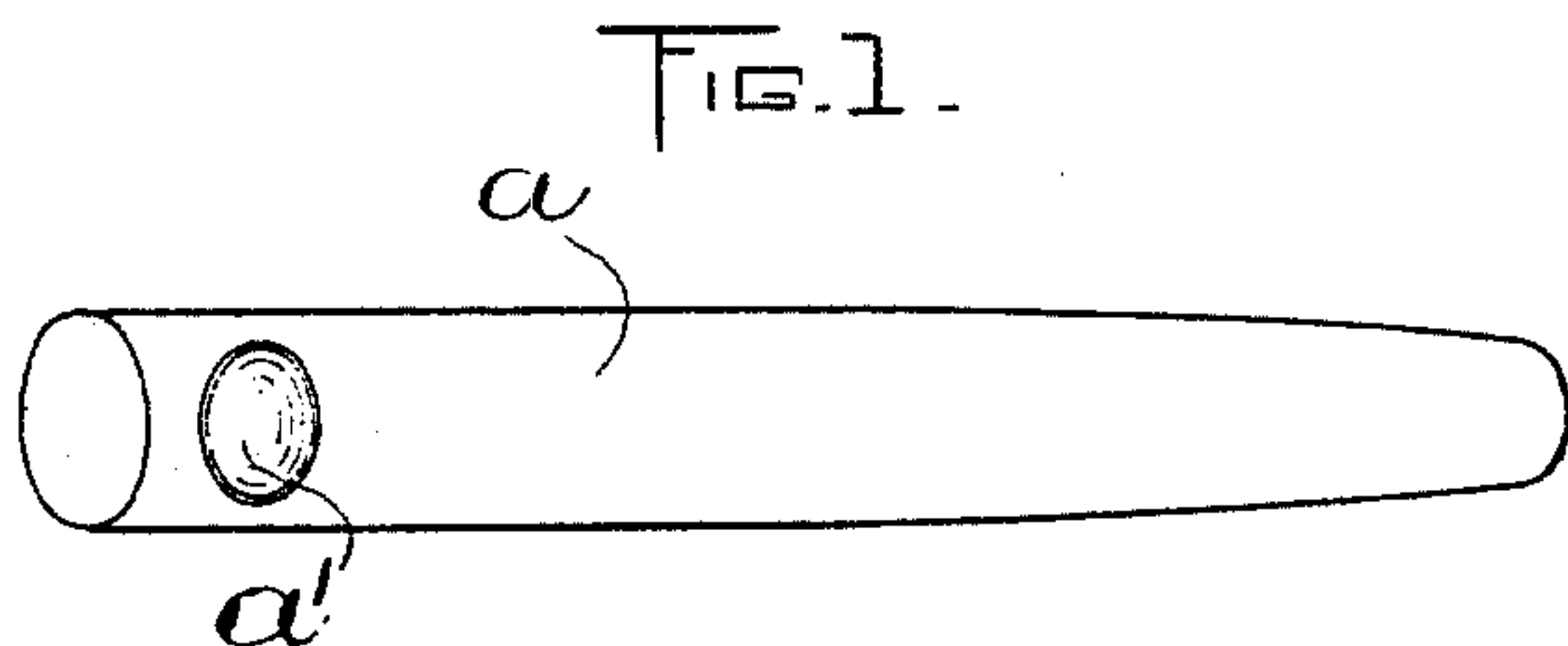
Patented Dec. 2, 1902.

W. E. ROBINSON.

APPLICATOR.

(Application filed Jan. 15, 1902.)

(No Model.)



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLARD E. ROBINSON, OF MALDEN, MASSACHUSETTS.

APPLICATOR.

SPECIFICATION forming part of Letters Patent No. 714,952, dated December 2, 1902.

Application filed January 15, 1902. Serial No. 89,829. (No model.)

To all whom it may concern:

Be it known that I, WILLARD E. ROBINSON, of Malden, in the county of Middlesex and State of Massachusetts, have invented certain
5 new and useful Improvements in Applicators, of which the following is a specification.

This invention, which I term a "medicated soluble applicator," has for its object to provide a convenient and efficient means for applying a medicament to an internal part of the human body, such as the rectum or other orifice in the body. Heretofore medicaments have been applied to various internal parts of the body by means of suppositories, so constituted as to be melted by the heat of the
15 body. These appliances are inconvenient to handle and apply and cannot be effectively inserted and held as long as may be desired at any considerable depth and then withdrawn in condition to be reused.

My improved applicator consists in an elongated rod or pencil formed to be inserted in the rectum or other orifice of the body and composed of a relatively hard medicated saponaceous composition which resembles toilet soap in hardness and solubility and is unaffected by the warmth of the human hand and body, so that it can be grasped and held for any desired length of time between a thumb and finger without softening or melting and can be held for any desired length of time in an orifice of the body and then withdrawn in condition to be used again, the composition being soluble, so that a thin film on its surface will be dissolved, and thus liberated for use as an application when the applicator is dipped in water, the solid or undissolved body portion of the applicator supporting the application and holding it against the affected
40 parts, so that the medicament will act effectively thereon. The relative hardness and rigidity of the said pencil enable it to be made of any desired length, and therefore to penetrate to any desired distance, while its resistance to the warmth of the body enables it to be grasped at its outer end by the fingers as long as may be desired.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents
50 a perspective view of an applicator embodying my invention. Fig. 2 represents a longitudinal section of the same.

The same letters of reference indicate the same parts in both figures.

In the drawings, *a* represents an applicator 55 made of a suitably medicated soap composition, which as to hardness, solubility, and capability of resisting heat may resemble ordinary toilet soap. The said applicator is preferably cylindrical and somewhat tapering 60 in form, its diameter being such that it can be readily inserted in the rectum or other orifice of the human body. One end portion of the applicator *a* is preferably formed to engage a finger and thumb, so that the applicator can be firmly held and inserted to the desired depth. To this end two opposite indentations *a' a'* may be formed in the base portion of the applicator *a*, as shown in Fig. 2, said indentations receiving the tips of the 70 thumb and finger.

Before using the described applicator it is moistened by insertion in a body of water to dissolve and liberate for use a film of the composition, or, in other words, to form an application, the moistened applicator being then inserted in the rectum or other orifice and held as long as may be desired, after which it may be removed and similarly used repeatedly until worn out. 80

It will be seen that the described device is a medicated soluble applicator, the surface portion of which is adapted to be converted into a semi-fluid film or application by the action of water, said application being carried to the affected part by the solid body portion of the applicator and held thereby in close and unyielding contact with the affected surface until absorbed or utilized, the applicator being put in condition for another operation by simply wetting its surface. 85 90

The convenience and utility of a solid applicator, the body or substance of which furnishes the medicated application, so that the applicator is prepared for use by merely wetting its surface and is adapted to be used repeatedly, will be obvious. 95

I claim—

A medicated soluble applicator formed as an elongated slender rod or pencil having an integral handle portion and adapted to be inserted in and removed from an orifice of the human body, said applicator being composed of a relatively hard soluble saponaceous medi- 100

cated composition which is unaffected by the warmth of the human body but is soluble in water whereby, when the surface of the applicator is moistened, a medicated application is formed, said application being backed by the solid undissolved body of the applicator.

In testimony whereof I have affixed my signature in presence of two witnesses.

WILLARD E. ROBINSON.

Witnesses:

C. F. BROWN,

P. W. PEZZETTI.