June 23, 1925.

1,543,629

F. E. TAYLOR

APPLICATOR

Filed Aug. 18, 1922

Fig. 1.

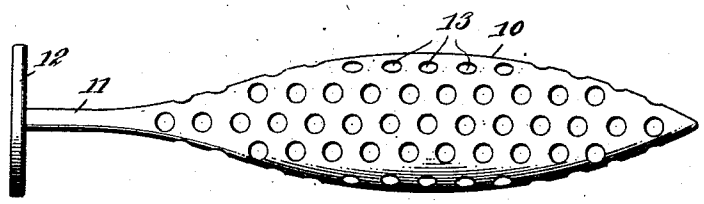


Fig. 2.

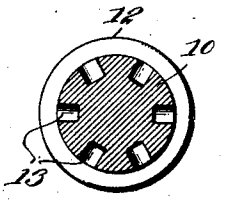
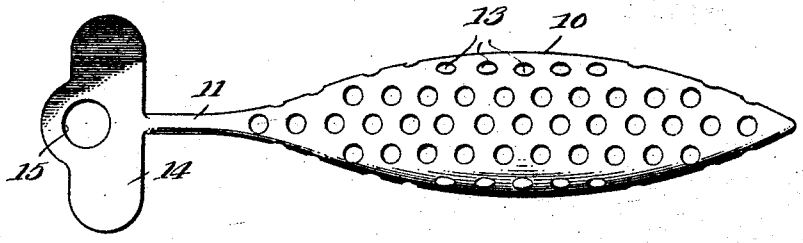


Fig. 3.



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WITNESS:

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UNITED STATES PATENT OFFICE.

FRANK E. TAYLOR, OF BROKEN BOW, NEBRASKA.

APPLICATOR.

Application filed August 18, 1922. Serial No. 582,709.

To all whom it may concern:

Be it known that I, FRANK E. TAYLOR, a citizen of the United States, residing at Broken Bow, in the county of Custer and State of Nebraska, have invented new and useful Improvements in Applicators, of which the following is a specification.

This invention relates to surgical appliances, and has for its object the provision of a novel device designed to contain a medicament and to be inserted within the rectum for the purpose of treating hemorrhoids, commonly known as "piles".

An important object is the provision of a device of this character which is so constructed that it may be inserted without pain and be left in place for considerable periods of time without discomfort, the construction being such that the sphincter muscle will operate to prevent displacement, means being also provided for preventing the device from being inserted too far.

An additional object is the provision of a device of this character which will be simple and inexpensive in manufacture, highly efficient in use and a general improvement in the art.

With the above and other objects and advantages in view the invention consists in the details of consruction to be hereinafter more fully described and claimed and illustrated in the accompanying drawings, in which:

Figure 1 is a side elevation of the preferred form of the device,

Figure 2 is a cross section and

Figure 3 is a side view of a modified form.

Referring more particularly to the drawings, I have shown my device as comprising an elongated body 10 which is substantially cigar shaped, that is, tapered toward both ends. The cross sectional configuration of this body is circular and the size is optional. In actual practice the device would probably be constructed and sold commercially in different sizes. Any suitable material may be employed as I wish no limitation in this respect. One end of the body is formed with a neck 11 which is greatly constricted and which terminates, as shown in Figure 1 and 2, in a flat disk 12 which will operate to prevent the device from being inserted too far. Throughout its area the body 10 is formed with recesses 13 designed to be filled with any suitable salve or other medicament efficacious for the treatment of the ailment specified. The shape of these recesses and the depth may vary as desired.

In Figure 3, I have shown a slight modification in which the flat disk 12 is replaced by a head 14 which serves as a finger grip to facilitate handling and which is provided with a hole 15 whereby the device may be suspended when not in use.

The use of the device is of course obvious inasmuch as it is merely inserted into the rectum as far as it will go, the disk 12 or the head 14, as the case may be limiting penetration. The medicament contained within the recesses 13 will melt at body temperature and consequently cover the affected parts so that healing will be rapid.

While I have shown and described the preferred embodiment of the invention it is of course to be understood that I reserve the right to make such changes in the form, construction and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claim.

I claim:

An applicator of the character described comprising an elongated solid body tapered from its center toward both ends and curved throughout its length, said body being circular in cross section at every point, the body being furthermore provided with a plurality of recesses distributed throughout its area and arranged in rows with the recesses in one longitudinal row staggered with respect to those in adjacent longitudinal rows, one end of the body being formed with an elongated stem adapted to be gripped by the sphincter muscle for retaining the device in operative position within the rectum, and said stem terminating in a flat button preventing insertion of the device to an excessive distance and also serving as a handle for effecting removal.

In testimony whereof I affix my signature.

FRANK E. TAYLOR.