

M. A. LAPHAM.
 DEVICE FOR PREVENTING AND TREATMENT OF CONSTIPATION AND PILES.
 APPLICATION FILED JUNE 20, 1912.

1,051,129.

Patented Jan. 21, 1913.

Fig. 1.

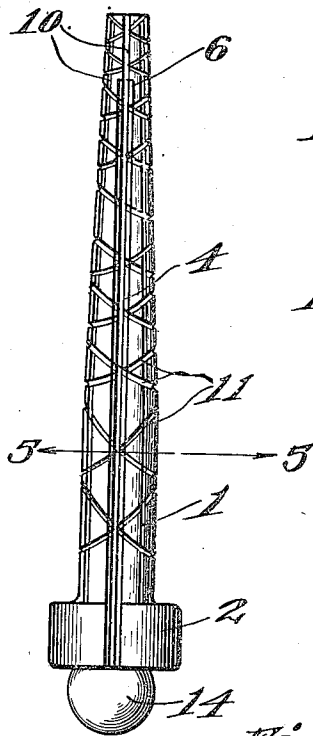


Fig. 2.

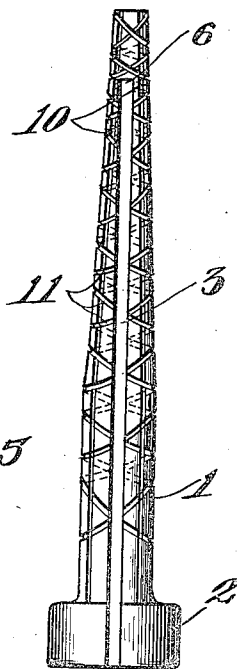


Fig. 3.

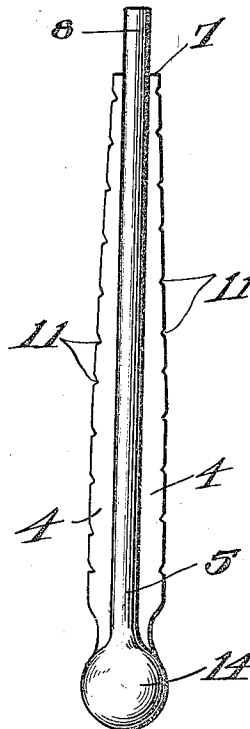


Fig. 6.

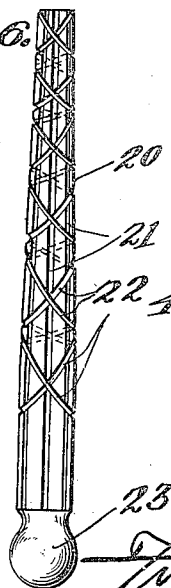


Fig. 4.

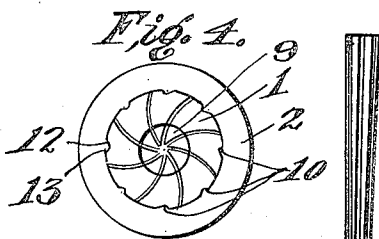
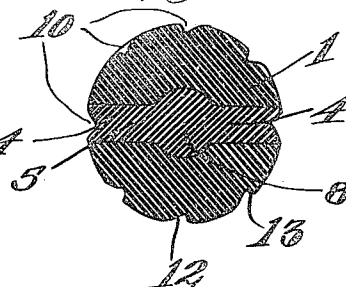


Fig. 7.

Fig. 5.



Witnesses

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DEVICE FOR PREVENTING AND TREATMENT OF CONSTIPATION AND PILES.

1,051,129.

Specification of Letters Patent.

Patented Jan. 21, 1913.

Application filed June 20, 1912. Serial No. 704,902.

To all whom it may concern:

Be it known that I, MARTIN A. LAPHAM, a citizen of the United States, residing at Springfield, in the county of Greene and State of Missouri, have invented certain new and useful Improvements in Devices for Preventing and Treatment of Constipation and Piles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful devices for use in preventing constipation and in the prevention and treatment of hemorrhoids or piles:

The invention has for its objects, among others, the provision of a non-porous device of a size and form adapting it for use in massaging the rectum, the surface of the device being provided with spirally disposed grooves so formed and arranged relative thereto as to afford a ready and efficient means for evenly distributing the dressing used, over the walls of the rectum and at the same time permit of a uniform massaging of the walls of the organ.

To these ends and to such others as the invention may pertain, the same consists in the peculiar construction and in the novel combination, arrangement and adaptation of parts, all as will be more fully hereinafter described, shown in the accompanying drawings and then specifically defined in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the numerals of reference marked thereon, form a part of this specification, and in which drawings:—

Figure 1 is a side elevation of the device, showing the cone and its attachments, as in readiness for use. Fig. 2 is a like view of the cone or outer shell. Fig. 3 is a plan view of the stem or plunger. Fig. 4 is a top plan view of the stem and cone. Fig. 5 is a cross-section taken upon the line 5, 5 of Fig. 1. Fig. 6 is a side view of a modified form of the device. Fig. 7 is an end elevation of the filler, used in connection with the device.

Reference now being had to the details of the drawings by numeral, 1 designates a

cone or outer shell, constructed preferably of hard rubber, or of other material adapted to the purpose, having a circular band 2, preferably molded, and forming a part of the cone. The surface of the cone is provided with a series of longitudinal slots 3, 3, for the reception of the flanges 4, of the stem or plunger 5. The slots 3, terminate in shoulders 6, against which the shoulders 7 of the flanges 4 of the cone 5 are adapted to contact.

In Fig. 6 of the drawings I have shown a modification of the device, intended for use in the treatment of mild cases, which do not require the extensive massaging necessary in chronic cases or those of long standing.

It will be noted that the grooves consist of two sets each set winding spirally around the cone, each in opposite directions to the direction of the other set, and that each groove has one of its side edges upon a line substantially at right angles to the length of the cone, while the opposite side edge of the groove is formed at an oblique angle to the first mentioned side edge, and that the edges of the flanges are provided with similar grooves.

From the foregoing description, the use of the device will be readily understood. The stem is first withdrawn from one fourth to one half inch from the apex end of the cone; the distance depending upon the amount of vaseline or other dressing to be used. By the use of the filler, vaseline is supplied to both the straight and spiral surface grooves as well as to the bore and cleft. The device is then inserted two or three, or more inches into the rectum, turning it to the right in inserting. The stem is then closed; thus expelling vaseline along the walls of the rectum, from the longitudinal grooves of the device, while at the upper part of the rectum, it is expelled in liberal quantity from the bore and upper part of the cleft. Then, by turning the device to the left and alternating the turning movement the vaseline that has been expelled from the instrument, is transferred from the spiral grooves and uniformly distributed over the walls of the rectum. Further rotary or longitudinal movement of the device will serve to effect a uniform massage of the entire membrane; thus inducing its peristaltic activity. The turning of the cone causes one set of its spirally disposed grooves to move the dress-

ing slightly upward, while the opposite set
of grooves move it downward and the
straight grooves move it directly forward;
thus insuring the application of the dressing
to every point upon the surface of the rec-
tum walls.

Having thus described my invention, what
I claim to be new and desire to secure by
Letters Patent, is;—

1. A device for treatment of the rectum,
the same comprising a conical body portion
having a longitudinal bore and having its
surface provided with oppositely inclined,
spirally arranged grooves and with longi-
tudinal grooves, arranged to operate sub-
stantially as described and for the purpose
specified.

2. As an improved article of manufacture,

the herein described instrument for use in
the treatment of the rectum, in preventing
and for treatment of piles and constipation;
the same comprising a conical body portion
with grooves spirally arranged upon its sur-
face and winding in opposite directions, a
bore, and longitudinal grooves, as described,
and a movable section adapted to be moved
within the bore of the cone longitudinally
thereof, said movable member being pro-
vided with a knob or operating handle, sub-
stantially as described.

In testimony whereof I hereunto affix my
signature in the presence of two witnesses.

MARTIN A. LAPHAM.

Witnesses:

CHAS. J. WRIGHT,
E. M. WRIGHT.