Dec. 6, 1966 J. E. J. MOSIER ETAL 3,289,826

DEVICE FOR TREATING PERIANAL AREAS

Filed May 27, 1964

Fig. 1.

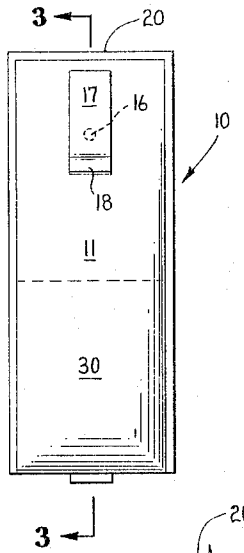


Fig. 2.

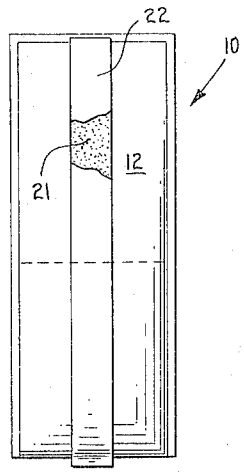
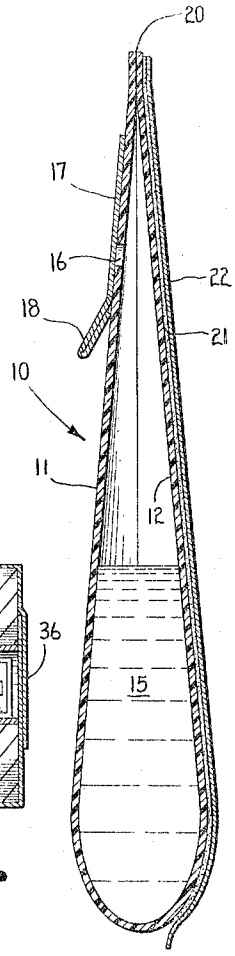


Fig. 3.



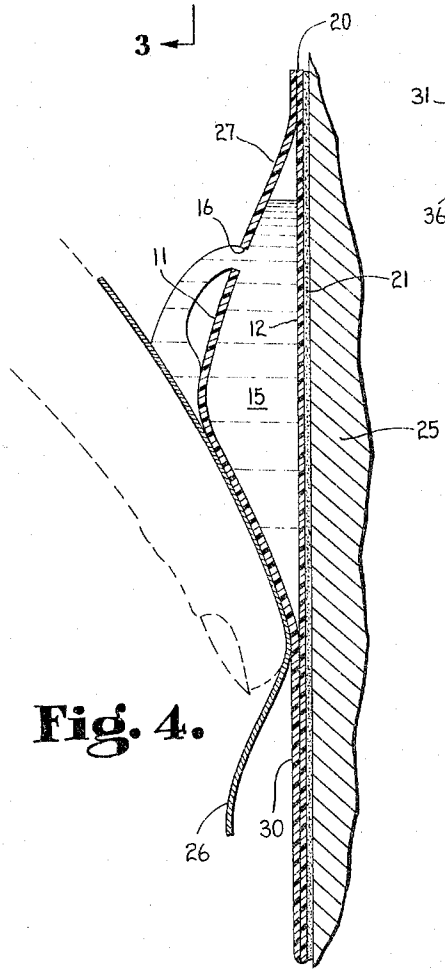


Fig. 4.

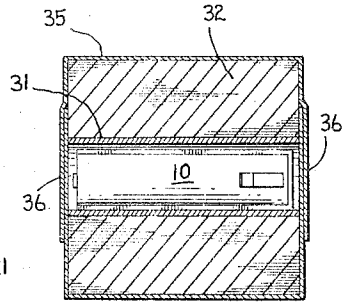


Fig. 5.

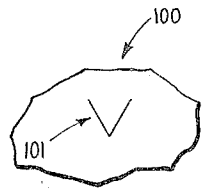


Fig. 6.

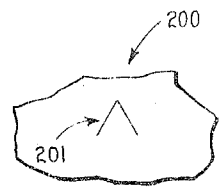


Fig. 7.

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DEVICE FOR TREATING PERIANAL AREAS

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The present invention relates to a dispensing device and product particularly adapted for dispensing ointment for treating the perianal area but also usable for other purposes such as dispensing of toothpaste, cold cream, cosmetics and other liquid and semi-solid substances.

A well known cause of the spread of infection and disease is the lack of proper means for disposal of sewage and particularly human feces. Obviously, this situation is due to the fact that feces carry parasites, bacteria, viruses and, in fact, many of the known infection and disease producing organisms. In an effort to solve this problem at its source, food handlers in many areas of the country are required to have cultures made of their feces in order to detect carriers of gastro-intestinal diseases. It can be appreciated, however, that probably all persons carry in their gastro-intestinal tracts a certain amount of disease and infection.

It has been found as a result of actual physical examinations that perhaps 30% of the population (as determined by test samples) including both male and female, have bits of fecal matter and toilet tissue adhering to the perianal region and/or hair. Obviously, this material carries typical bacterial and intestinal flora and causes the perianal area to be a perpetual potential source of finger contamination either direct of indirect, i.e. from soiled underclothes. Also flatus may frequently contaminate the perianal are to be a perpetual potential source of finger orally administered drugs have been tried to control this source of infection but have not proven completely satisfactory.

One excellent method for the control of disease and infection from this source is the wiping of the perianal area with toilet tissue carrying an anti-infective agent. No convenient means is available, however, for the application of such an anti-infective agent to toilet tissue. Consequently, one object of the present invention is to provide a dispensing device for the convenient application of such an anti-infective agent to toilet tissue for removing or reducing the spreading of disease and infection from this source.

Another object of the present invention is to provide an improved device for dispensing ointment for deodorizing the perianal area.

Still a further object of the present invention is to provide a device for dispensing ointment for treating the perianal area to prevent or reduce the intensity of irritation thereto caused by fecal substances and conventional toilet paper.

Still another object of the invention is to provide a novel packaged product for perianal care.

A further object of the invention is to provide a novel dispensing device.

Related objects and advantages will become apparent as the description proceeds.

One embodiment of the present invention might include a dispensing device for use in dispensing ointment for the treatment of perianal areas, said device comprising an upright, generally flat, plastic, flexible bag having an opening in one wall thereof near the top thereof. An adhesive strip having a pull tab covers the opening and is adhered to the bag. Adhesive is provided on the wall of the flexible bag away from said one wall. There is further provided a pull strip covering the adhesive but removable to expose the adhesive for securing the bag to the wall adjacent a toilet stool. The bag contains ointment in the portion of the bag which is below the opening.

The full nature of the invention will be understood from the accompanying drawings and the following description and claims:

FIG. 1 is a front elevation of a dispensing device embodying the present invention.

FIG. 2 is a rear elevation of the device of FIG. 1.

FIG. 3 is an enlarged vertical section taken along the line 3—3 of FIG. 1 in the direction of the arrows.

FIG. 4 is a view similar to FIG. 3 but showing the device in operation and adhered to the wall, for example adjacent a toilet stool.

FIG. 5 is an axial section taken through a novel packaged product for perianal care also embodying the present invention.

FIG. 6 is a fragmentary front elevation of an alternative dispensing device.

FIG. 7 is a view similar to the view of FIG. 6 of still a further alternative dispensing device.

For the purposes of promoting an understanding of the principles of the invention, reference will now be made to the embodiments illustrated in the drawing and specific language will be used to describe the same. It will nevertheless be understood that no limitation of the scope of the invention is thereby intended, such alterations and further modifications in the illustrated device, and such further applications of the principles of the invention as illustrated therein being contemplated as would normally occur to one skilled in the art to which the invention relates.

Referring more particularly to the drawings, there is illustrated a dispensing device **10** which has an elongated rectangular shape formed by a front rectangular sheet of plastic material **11** secured to a rear rectangular sheet of plastic material **12**. The securing together of the sheets **11** and **12** can be accomplished by fusing or by any other suitable process.

Received within the dispensing device **10** is an ointment **15** for treatment of the perianal area. The purpose of the dispensing device **10** is to assist in applying the ointment **15** to toilet tissue for application to the perianal area. The ointment **15** may consist of lanolin, glycerin and K-Y Jelly in equal amounts with a suitable amount of hexachloraphine added as a disinfectant. On the other hand, the ointment **15** can be modified if it is desired to treat particular conditions. For example, topical anesthetics can be supplied in the ointment for hemorrhoidal sufferers. Astringents can be provided in the ointment for the body odor conscious person or wetting agents can form one ingredient of the ointment for a person desiring super cleansing. The various above suggested ingredients and components for the ointment **15** are well within the knowledge of the medical art and will not be herein further elaborated upon. As a further example of suitable ointments for the dispensing device **10**, reference is made to the patent application of Jack M. Mosier, Serial No. 99,857, filed March 31, 1961, entitled, Method and Device for Treating Perianal Areas, and now abandoned.

The front face **11** of the dispensing device **10** has an opening **16** therein which is covered and sealed by an adhesive strip **17** having a pull tab **18** at the lower end thereof. It will be noted that the opening **16** is positioned adjacent to but spaced from the upper end **20** of the dispensing device **10** for a purpose that will become evident below.

On the rearward face **12** of the dispensing device **10**, there is deposited adhesive **21** which is covered by a pull strip **22**. The dispensing device **10** can be adhered to a wall **25** by means of the adhesive **21** after the pull strip

22 has been removed from the back face 12 of the dispensing device 10 as illustrated in FIG. 4.

The opening 16 is positioned adjacent the top 20 but spaced therefrom so that the toilet tissue 26 can be used to wipe the ointment 15 off of the upper portion 27 of the face 11. In order to place a portion of the ointment 15 upon the toilet tissue 26, the user of the device exerts pressure on the lower portion 30 of the forward face 11 and moves the hand upwardly in the manner illustrated in FIG. 4 causing the ointment 15 to flow upwardly and to move above the opening 16 whereupon the ointment flows out of the opening 16 onto the toilet tissue 26. The toilet tissue is then prepared for treatment of the perianal area.

Referring to FIG. 5, the dispensing device 10 in the completely closed and sealed form of FIGS. 1–3 is shown received within the hollow cardboard tube 31 of the toilet tissue roll 32. The toilet tissue roll 32 and the dispenser 10 are retained in the thus assembled relation by a transparent plastic material 35 which is sealed at the ends 36. In the form illustrated in FIG. 5, the novel packaged product of the present invention is in excellent form for marketing in supermarkets and the like. As mentioned above, it is desirable that means be made available for removing or reducing the spread of disease and infection carried by the feces. The packaged product of FIG. 5 is a convenient inexpensive means for supplying to the public means for controlling this source of disease and infection.

It will be understood that the present invention can take various other forms and can be used in various other places in addition to a location adjacent the toilet stool. For example, the present device might be used for packaging and dispensing toothpaste or for packaging and dispensing perfume, colognes, deodorants and similar substances. Depending upon the viscosity of the substance dispensed, the opening 16 may have a larger or a smaller size. Also, the dispensing device can be mounted by means of the adhesive 21 upon the dashboard of an automobile and might contain a cleansing fluid instead of the ointment 15 for use by parents of young children.

Referring to FIGS. 6 and 7, there is illustrated alternative dispensing devices 100 and 200 which are identical to the device 10 except that the opening 16 is replaced by a V-shaped and an inverted V-shaped opening 101 and 201, respectively. The openings 101 and 201 are so designed because they permit a relatively large sized opening when dispensing is desired but they also facilitate the sealing of the opening by the adhesive strip 17 for efficient packaging.

While the invention has been illustrated and described in detail in the drawings and foregoing description, the same is to be considered as illustrative and not restrictive in character, it being understood that only the preferred embodiment has been shown and described and that all changes and modifications that come within the spirit of the invention and the scope of the claims are also desired to be protected.

The invention claimed is:

1. A dispensing device for use in dispensing ointment for the treatment of perianal areas comprising an upright generally flat plastic flexible bag received within a hollow roll of toilet tissue, said bag having an opening in one wall thereof near the top thereof, an adhesive strip with a pull tab covering said opening and adhered to said bag, adhesive on the wall of said flexible bag away from said one wall, and a pull strip covering said adhesive but removable to expose said adhesive for securing said bag to a wall, said bag containing ointment in the portion of said bag below said opening, said roll of toilet tissue and said dispensing device retained in the above assembled relation by a transparent plastic material surrounding said roll of toilet tissue.

2. A dispensing device for use in dispensing a substance for the treatment of perianal areas comprising an elongated plastic bag of flexible plastic material, said bag having a front face and a rear face, adhesive on said rear face extending the length thereof for securing said bag to a wall, a pull strip covering said adhesive, said bag having an opening in the front face thereof adjacent but spaced from one end thereof, an adhesive strip adhered to said front face and covering said opening and having a pull tab, and a flowable substance partially filling said bag.

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