Oct. 15, 1935. A. A. POLLAK 2,017,570

DISPENSING CONTAINER FOR ROLLED TAPE

Filed Oct. 20, 1932

Fig. 1.

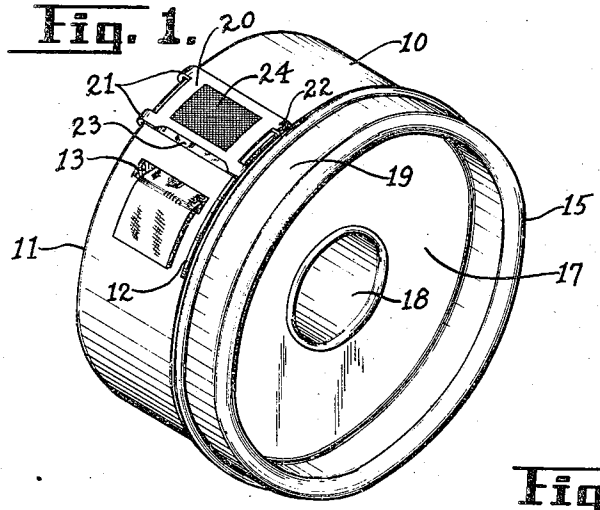


Fig. 2.

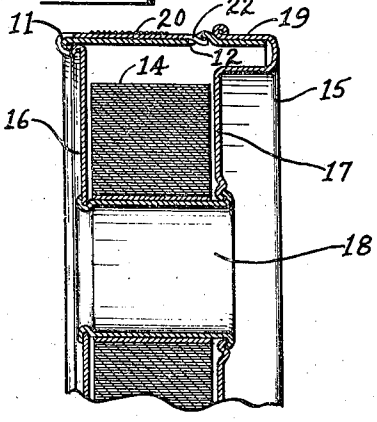


Fig. 3

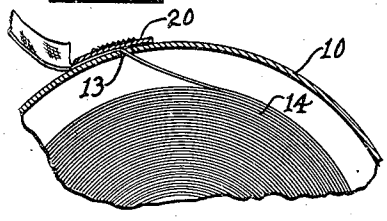


Fig. 4.

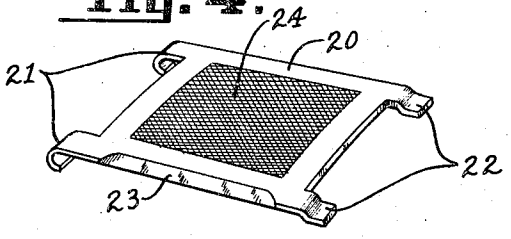


Fig. 5.

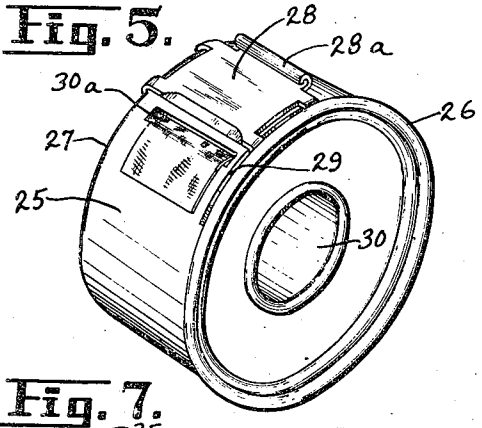


Fig. 6.

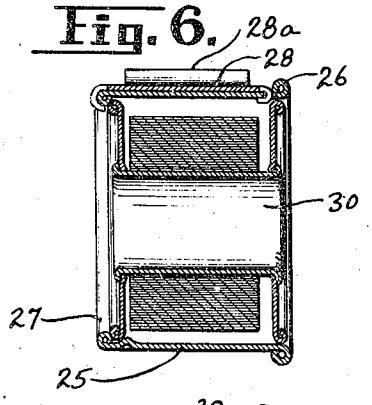


Fig. 7.

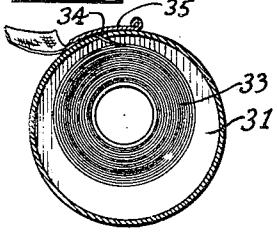


Fig. 8

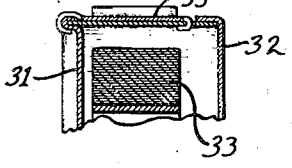
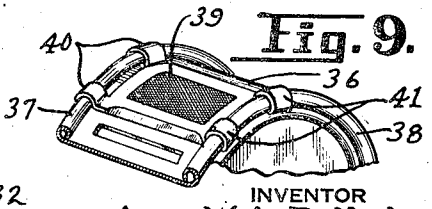


Fig. 9.



INVENTOR
Arnold A. Pollak.
BY
H. G. Manning
ATTORNEY

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DISPENSING CONTAINER FOR ROLLED TAPE

Arnold A. Pollak, Waterbury, Conn.

Application October 20, 1932, Serial No. 638,705

5 Claims. (Cl. 206—52)

This invention relates to containers for rolled material, and more particularly to a dispensing container for a roll of adhesive plaster, gummed tape or the like.

One object of this invention is to provide a dispensing container of the above nature which will protect the material from dust, bacteria and germs, and also permit the ready removal of a section thereof whenever desired.

A further object is to provide a device of the above nature having means for severing said section of the material from the roll, and for retaining the end of the remaining material in a readily accessible position for later removing a further section.

A further object is to provide a device of the above nature which will be simple and durable in construction, inexpensive to fabricate and assemble, easy to manipulate, ornamental in appearance, and very efficient in use.

With these and other objects in view, there have been illustrated in the accompanying drawing several forms in which the invention may be conveniently embodied in practice.

In the drawing:

Fig. 1 shows a perspective view of an adhesive tape container embodying the invention.

Fig. 2 is a partial cross-sectional view of the container illustrated in Fig. 1.

Fig. 3 is a partial cross-sectional view of the same, taken at right-angles to the view of Fig. 2.

Fig. 4 is an enlarged perspective view of the slidable cover-plate.

Fig. 5 is a perspective view of a different type of container embodying the invention in a slightly modified form.

Fig. 6 is a cross-sectional view of the same.

Fig. 7 is a cross-sectional view of another modified form of container also embodying the invention.

Fig. 8 is a partial cross-sectional view of the same, taken at right-angles to the view of Fig. 7.

Fig. 9 is a partial perspective view of still another type of container embodying the invention.

Adhesive tape or bandage of what is commonly known as the surgical type is generally supplied in a roll or spool form, and its nature is such that it is practically impossible to remove sections thereof without employing a knife or scissors, an operation which is frequently inconvenient to perform even when such cutting implements are available. Also, the spool or roll, if not enclosed when out of use, is apt to become contaminated or infected, and rendered unfit for its intended use.

The present invention overcomes the above and other objections by the provision of a container for the tape, so arranged that the roll will be completely enclosed when not in use, while at the same time the tape will be readily accessible when desired, and also providing cutting means mounted on the container for permitting a piece of tape to be easily severed from the roll without distorting or pulling the tape out of shape.

Referring now to the drawing in which like reference numerals denote corresponding parts throughout the several views, the numeral 10 indicates a metal container comprising a cylindrical band having an inwardly turned edge 11, an elongated circumferential slot 12, and a transverse rectangular aperture 13 in proximity thereto. A roll 14 of adhesive tape or similar material is carried upon a metal spool 15 made up of three parts, viz. two plates 16 and 17, permanently mounted, as by spinning or upsetting upon the opposite ends of a tubular center piece or ferrule 18.

The plate 16 is adapted to fit snugly within said band and to rest against the inwardly turned edge 11, making a substantially tight joint. The plate 17 has formed thereon a U-shaped turned-over lip 19 adapted to co-act with the free edge of the container 10, fitting over the same in such a manner as to form a lid, so that when the spool 15 is fitted within the container 10, a complete enclosure is formed, and the roll 14 is protected from contamination.

In order that the tape may be unwound from the roll without removing the spool from the container, the free end of said tape is caused to project through the aperture 13 and to be stuck to the outside surface of the container, where it may be grasped and unwound from the roll, as required. For the purpose of covering the aperture 13 to exclude dust, bacteria, etc., from the container, provision is made of a sliding cover-plate 20 having formed thereon at on end a pair of looped lugs 21, which are adapted to engage the edge 11 of the container, the other end of said cover plate having a pair of offset lugs 22 adapted to enter the slot 12. The two sets of lugs 21 and 22 serve to maintain the cover-plate 20 in circumferentially sliding relationship with the outer surface of the container 10, its travel in each direction being limited by the engagement of the lugs 22 with the respective ends of the slot 12. The relative positioning of the slot 12 and the aperture 13 is such that when

the desired amount of tape has been pulled out, the cover-plate 20 may be moved to one extreme position to cover the aperture 13 with the edge 23 of said cover plate extending beyond said aperture, so that a portion of the tape may be caught between the inner surface of the cover-plate 20 and the outer surface of the container 10, thus positively retaining the tape in an accessible position, and at the same time effectively sealing the aperture 13 from dirt, germs or other sources of contamination.

For the purpose of facilitating the tearing off of the desired length of tape as required, the overlapping edge 23 of the cover-plate 20 is provided with a knife edge, the outer surface 24 thereof being preferably knurled for engagement by the thumb or finger of the user.

Operation

When the dispensing container is first filled and assembled, a short section of the roll of tape will be caused to project through the aperture 13, and the cover-plate 20 closed over it, forming a seal, in which condition the unit will be stored and marketed. When it is desired to make use of the tape, the sliding cover 20 will be retracted from the aperture 13, the end of the tape freed from the surface of the container 10, and the desired length pulled off the roll and out of the container. The cutter-plate 20 will then be forced back to its original completely closed and overlapping position. The required length of tape may then be easily severed by pulling it against the sharp knife edge 23.

In the modified form of the invention shown in Figs. 5 and 6, a cylindrical container 25 is illustrated having at one end a curled-out bead 26, and at the other end a curled-in bead 27. Provision is made of a sliding cutter plate 28, one edge of which is curled downwardly around the bead 27, and the other edge is looped down to fit into a longitudinal slot 29 located inside the bead 26, the ends of said slot serving to limit the sliding motion thereof. The tape is adapted to be wound upon a spool 30 and the end of said tape is adapted to pass out through the transverse slot 30*a* when the cover plate is in open position. A curled transverse gripping knob 28*a* is provided instead of the knurled surface 24 of the first form of the invention.

Figs. 7 and 8 disclose a simple modified form of cylindrical cup-shaped container 31 having its open end covered by a closure cap 32. A roll of tape 33 (without a spool) is loosely carried within the container 31 and has its free end passing out through a transverse slot 34 in said container. The tape is adapted to be cut from the roll by means of a sliding cutter plate 35 similar to the plate 28 shown in Figs. 5 and 6.

A still further modification is shown in Fig. 9 in which a cylindrical container 36 is employed, both ends of which are curled outwardly to form beads 37 and 38 respectively. A sliding cutter plate 39 is provided having two downwardly curled lugs 40 and 41 on each of its opposite edges for embracing said beads 37 and 38. In other respects this form is similar with that shown in Figs. 5 and 6.

While there have been disclosed in this specification several forms in which the invention may be embodied, it is to be understood that these forms are shown for the purpose of illustration only, and that the invention is not to be limited to the specific disclosures, but may be embodied in various other forms without departing from its spirit. In short, the invention includes all the modifications and embodiments coming within the scope of the following claims.

Having thus fully described the invention, what is claimed as new, and for which it is desired to secure Letters Patent is:

1. In a dispenser for a roll of tape, a cylindrical container having a transverse slot for permitting the passage of said tape, and a longitudinal slot near one edge thereof, a cutter plate having a plurality of lugs extending into said longitudinal slot, said cutter plate being adapted to cover the end portion of said tape and said transverse slot, said cutter plate having a knife edge for cutting off the end of said tape, leaving the adjacent portion under said plate ready to be grasped for removing another section thereof.

2. In a dispenser for rolled thin strip material, a hollow container having a transverse tape slot and a longitudinal slot, a cutter plate having a knife edge by which said tape may be severed, said plate having means on one side edge for sliding in said longitudinal slot and on the other side edge for embracing the edge of said container.

3. In a dispenser for rolled material, a cylindrical container having a beaded edge, a longitudinal slot and a transverse tape aperture therein, a cutter plate having a knife edge against which said material may be severed, said plate having means on one side engaging in said longitudinal slot, and on the other side embracing said beaded edge.

4. In a dispenser for rolled material, a container having a beaded edge, a longitudinal slot and a transverse tape aperture, a cutter plate adapted when closed to cover a portion of said material and to retain the same between its inner surface and the outer surface of said container, and having a knife edge against which said material may be cut, said cutter plate having lugs on both side edges to engage in said longitudinal slot and embrace said beaded edge respectively.

5. In a dispenser for a roll of tape, a cylindrical container having a cross-slot for permitting the removal of said tape and a longitudinal slot near one edge thereof, a cutter plate having means offset downwardly to fit into said longitudinal slot, said cutter plate being adapted to slide along said container and to cover said transverse slot and the end portion of said tape, thereby protecting said tape from injury or contamination.

ARNOLD A. POLLAK.