

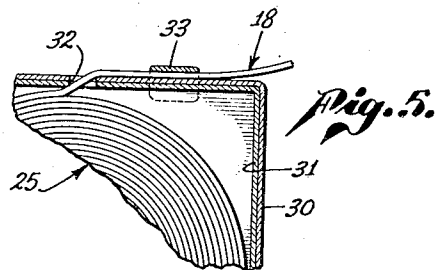
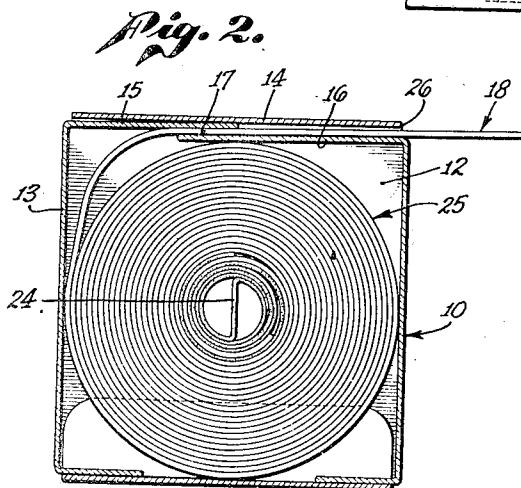
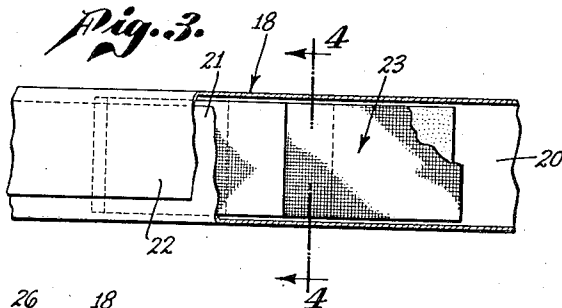
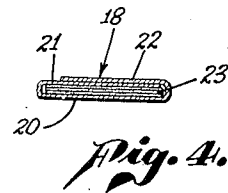
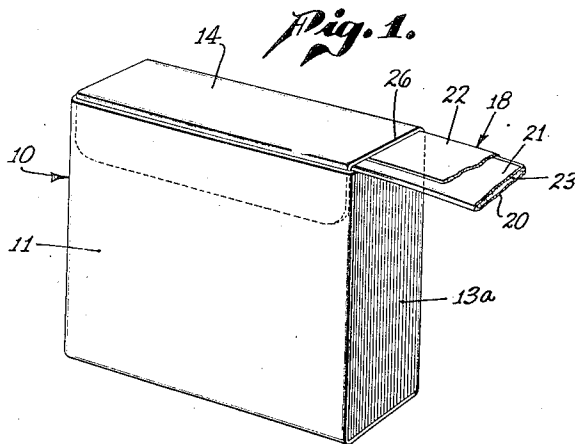
Jan. 16, 1945.

J. A. MILEM

2,367,417

ANTISEPTIC PACKAGE

Filed July 22, 1941



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2,367,417

ANTISEPTIC PACKAGE

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Application July 22, 1941, Serial No. 403,481

11 Claims. (Cl. 206—63.2)

This invention relates to packaging elements and particularly to a package containing first aid tape bands, gauze, bandages, compresses and the like.

My invention has particular utility in connection with first aid tape bands manufactured in individual bands or in a strip which can be severed as withdrawn for use.

It is an object of my invention to provide a package of the general character identified in which the first aid tape bands or other surgical or antiseptic tape or compresses are enclosed within a protective envelope suitably rolled to be contained within a box or carton and withdrawn from a slot or opening in the side or top of the box or carton.

A further object of the invention is to provide in a package of the character described an envelope co-extensive with the total length of the tape whether it is in a single piece or individual sections, and arranged with a fold which will effectively seal and protect the tape or compress against dust, dirt, moisture, and air when the envelope containing the tape or compresses is rolled for placing within a box or container, and which will serve to protect the unused portion of the tape or compress, but which may be withdrawn from the box or carton in any length desired for use.

It is an additional object of the invention to provide a package of the character described which is suitable for over the counter sales and which may be utilized by the consumer.

These and other objects of the invention will become more apparent from a further consideration of the description and the drawing.

In the drawing:

Figure 1 is a perspective view of a packaging element embodying my invention, illustrating a short length of envelope and first aid tape band withdrawn from the carton.

Figure 2 is a vertical cross-sectional view of the same.

Figure 3 is a fragmentary plan view of a section of the envelope and an individual tape band contained therein, with parts cut away for purposes of illustration.

Figure 4 is a cross-sectional view taken on the line 4—4 of Figure 3.

Figure 5 is a fragmentary vertical section similar to Figure 2 showing a modified form of carton or box.

In the example of my invention chosen for illustration I provide a box or carton 10 which may be made of pasteboard or any other suitable

material and which includes a front 11, a back 12, ends 13 and 13a, and a top flap 14 extending over from the back 12. The end 13 is formed with an inwardly extending tongue 15, and the end 13a is formed with a similar extending tongue 16, but preferably longer than the tongue 15. In assembling and closing the carton, it is intended that the tongues 15 and 16 shall lie in a substantially horizontal plane or parallel to the top flap 14 and underneath the latter, also that the shorter tongue 15 shall overlies a portion of the longer tongue 16, thereby providing a slot 17 through which the envelope 18 in the form of a long strip may be withdrawn from the carton. The construction actually affords two contiguous aligned slots, one between the inner flaps, and the second between the cover flap 14 and the inner flap 16. I thus provide a double protection in the form of two restricted passages, as a safeguard against entry of dust or dirt into the box.

The envelope comprises an elongated sheet of glassine paper or Cellophane, or any other kind of sheet protective material, although the glassine paper or Cellophane has the advantage of being transparent so that, particularly in the case of individual compresses enclosed therein, the latter may be seen. The strip of protective material has an intermediate section 20, an edge section of similar width 21, and a second edge section of approximately similar width 22.

A tape band or other compress 23 is laid on the center section 20, section 21 is folded over it, and section 22 is folded to overlies the section 21. The tape or compress 23 may be waterproof adhesive tape or standard adhesive tape or gauze or some other type of compress. The one chosen for illustration comprises individual sections of adhesive tape protected by crinoline, and these are spaced within the transparent glassine paper or other sheet protective material which is folded over as described, with the free edge 22 of the paper on what is to constitute the outside of the roll; in other words there is a double thickness of the glassine paper on the side of the bandage where the adhesive is applied. It is preferable also to place the tape with the adhesive side toward the folded edge 21. The effect of this is to automatically seal the bandage against air, dust and foreign matter, as the winding of the paper with the enclosed adhesive bandage or compress acts to draw the free flap 22 of the glassine paper tight against the surface of the compress.

The roll referred to is illustrated particularly in Figure 2, where a core 24 formed of a roll of stiff paper is utilized, and the inner end of the en-

velope containing the tape or compress is caught in the outer convolutions of the paper forming the core, but is not attached to that paper and is free to be withdrawn as the roll of tape or compress is exhausted. A roll of suitable size being formed by the envelope and tape or compress, to be contained within the carton 10, it is placed therein and may be sealed for delivery to the customer.

When it is desired to use the package, the flap 14 is opened, and the outer free end of the roll 25 is withdrawn through the slot 17 so that a short portion of the tape protrudes from the carton. The tape may then be grasped and so much as desired pulled through the slot 17, and should be torn off beyond the edge 26 of the top flap 14, so that a free end remains to be grasped for the next use.

This arrangement has particular utility in connection with individual tape bands of the character illustrated because they are made readily accessible in any quantity from one to the total contents of the roll, without disturbing the protection afforded the unused portion of the roll, and without exposing any of the unused portion.

The manner of forming the envelope and roll results in a tendency of the roll to expand against the ends, top and bottom of the carton, and in the form shown in Figures 1 and 2, the outside of the roll presses against the lower tongue 16, aiding in urging it to retain its closed position. In the form shown in Figure 5, this expansion causes the envelope to lie slantwise through the slot 32, closing the same against foreign matter.

In the modified form shown in Figure 5 which is primarily designed for larger packages such as might be employed in factories and shops and first aid stations, I form a carton of conventional box type wherein a cover 30 fits over a shallow box 31, and on one side or edge of which the box and cover are slotted as at 32, for the withdrawal of the envelope 18. I may cement or otherwise affix a hold down 33 to the cover 30 so that an end of envelope is always available outside of the slot 32. The envelope may be torn either up against the hold down, or down across the corner edge of the carton.

Although I have herein shown and described my invention in what I have conceived to be the most practical and preferred embodiment, it is recognized that departures may be made therefrom within the scope of my invention, which is not to be limited to the details disclosed herein but is to be accorded the full scope of the claims so as to embrace any and all equivalent structures.

Thus my protective glassine paper or Cellophane may be sealed or unsealed. It may for example be formed with a longitudinal seal running the length of the envelope and can be achieved either by adhesive or in the case of Cellophane by running it under a heated roller. I may also seal off the individual sections transversely if desired forming individual compartments each for containing a separate tape bandage. Such variations are contemplated as within the scope of the invention.

The essential features of my invention are the combination of a protective sheet material folded to contain a tape or compress and rolled on a core in such a manner that the normally free edge of the folded paper is on the outside of the roll whereby an improved sealing action is obtained, and a box or carton adapted to contain the roll

and formed with a suitable slot for withdrawal of the tape from the carton without exposing the unused contents of the box or carton.

However, I believe that novelty resides in my roll described, irrespective of the container. It would be feasible to sell the rolls containing the compresses in bulk and utilize the rolls in the manner described by inserting them in containers at the place of use. For example, the rolls might be paper wrapped for sale and delivery, and used in wall dispensers.

Moreover, even when used in connection with carton or container as described, the shape and proportions of the container may vary. I might, for example, use a box in the shape of a cylinder, and be within the scope of my invention.

While I have shown and described my invention as applied to a tape or compress, it will be understood that the roll may contain any small and substantially flat material or a series of objects having health contributing or therapeutic values such as vitamins, tablets, capsules, pills, corn pads, bunion plasters, or other material.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. An antiseptic package of the character described comprising: an elongated envelope containing a medicament or analogous material and formed into a roll, a box adapted to contain the roll and formed with a slot disposed for withdrawal of any length of said envelope from said box, said envelope comprising an elongated sheet of material having a center section for placing of the tape or compress, and edge sections the first of which overlies the tape or compress and the second of which overlies the first, and the roll being formed with the second edge section outermost.

2. An antiseptic package of the character described comprising: an elongated envelope containing tape bands or compresses and formed into a roll, a box adapted to contain the roll and formed with a slot disposed for withdrawal of any length of said envelope from said box, said box comprising inner top flaps one overlying the other and providing a slot through which the envelope may be withdrawn from the box, and said envelope comprising an elongated sheet of material having a center section for placing of the tape or compress, and edge sections the first of which overlies the tape or compress and the second of which overlies the first, and the roll being formed with the second edge section outermost.

3. An antiseptic package of the character described comprising: an elongated envelope containing tape bands or compresses and formed into a roll, a box adapted to contain the roll and formed with a slot disposed for withdrawal of any length of said envelope from said box, the roll being formed on a free stiff paper spirally wound core with the inner portion of the envelope caught in the outer convolutions of the core but not otherwise attached thereto.

4. An antiseptic package of the character described comprising: an elongated envelope containing tape bands or compresses and formed into a roll, a box adapted to contain the roll and formed with a slot disposed for withdrawal of any length of said envelope from said box, the roll being formed on a free stiff paper spirally wound core with the inner portion of the envelope caught in the outer convolutions of the core but not otherwise attached thereto, said envelope comprising an elongated sheet of material having a

center section for placing the tape or compress, and edge sections the first of which overlies the tape or compress and the second of which overlies the first, and the roll being formed with the second edge section outermost, said box comprising inner top flaps one overlying the other and providing a slot through which the envelope may be withdrawn from the box.

5. An antiseptic package of the character described comprising: an elongated envelope containing tape bands or compresses and formed into a roll from which any desired length of said envelope may be withdrawn, the roll being formed on a free stiff paper spirally wound core with the inner portion of the envelope caught in the outer convolutions of the core but not otherwise attached thereto.

6. An antiseptic package of the character described comprising: an elongated envelope containing tape bands or compresses and formed into a roll, a box adapted to contain the roll and formed with contiguous aligned slots disposed for withdrawal of any length of said envelope from said box, said box comprising inner top flaps one overlying the other and providing one of said slots, and a cover flap confining both inner flaps and in cooperation with one of said inner flaps providing the second slot, through which slots the envelope may be withdrawn from the box.

7. An antiseptic package of the character described comprising: an elongated envelope containing tape bands or compresses and formed into a roll, a box adapted to contain the roll and formed with contiguous aligned slots disposed for withdrawal of any length of said envelope from said box, said box comprising inner top flaps one overlying the other and providing one of said slots, the lower of said flaps being longer than the upper of said flaps, and a cover flap confining both inner flaps and in cooperation with said lower inner flap providing the second slot, through which slots the envelope may be withdrawn from the box.

8. An antiseptic package of the character described comprising: an elongated envelope containing tape bands or compresses and formed into a roll, a box adapted to contain the roll and formed with a slot disposed for withdrawal of any length of said envelope from said box, the roll being formed on a free stiff paper spirally wound core with the inner portion of the envelope caught in the outer convolutions of the core but

not otherwise attached thereto, said envelope comprising an elongated sheet of material having a center section for placing the tape or compress, and edge sections the first of which overlies the tape or compress and the second of which overlies the first, and the roll being formed with the second edge section outermost.

9. An antiseptic package of the character described comprising an elongated envelope containing a medicament or analogous material and made into a roll, a box adapted to contain the roll and formed with contiguous elongated friction passages having slot openings for withdrawal of any length of said envelope from said box, said box comprising inner top flaps one overlying the other and providing one of said slots, and a cover flap confining both inner flaps and in cooperation with one of said inner flaps providing the second slot, through which slots the envelope may be withdrawn from the box, said passage and slot structure being adapted to prevent the entrance of foreign matter into the package and prevent accidental withdrawal of the envelope.

10. An antiseptic package of the character described comprising an elongated envelope containing a medicament or analogous material and made into a roll, a box adapted to contain the roll and formed with contiguous elongated friction passages having slot openings for withdrawal of any length of said envelope from said box, said box comprising inner top flaps one overlying the other and providing one of said slots, the lower of said flaps being longer than the upper of said flaps, and a cover flap confining both inner flaps and in cooperation with said lower inner flap providing the second slot, through which slots the envelope may be withdrawn from the box, said passage and slot structure being adapted to prevent the entrance of foreign matter into the package and prevent accidental withdrawal of the envelope.

11. An antiseptic package of the character described comprising: an elongated envelope containing a medicament or analogous material and formed into a roll from which any desired length of said envelope may be withdrawn, the roll being formed on a free stiff paper spirally wound core with the inner portion of the envelope caught in the outer convolutions of the core but not otherwise attached thereto.

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