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G. S. GRUBER

2,017,406

DISPENSING CONTAINER

Filed July 15, 1932

Fig. 1

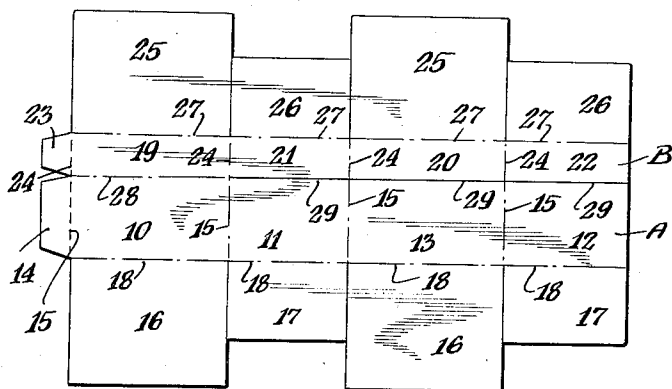


Fig. 2

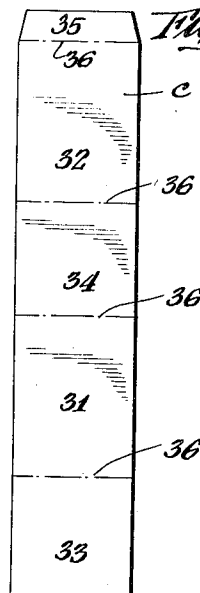


Fig. 3

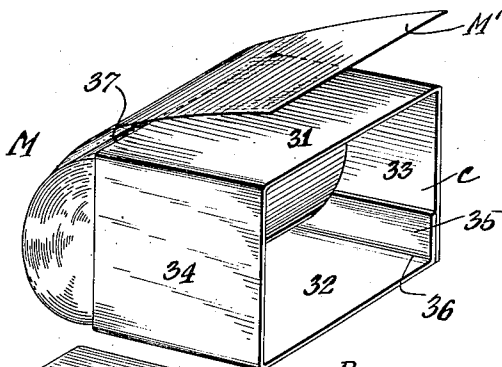


Fig. 4

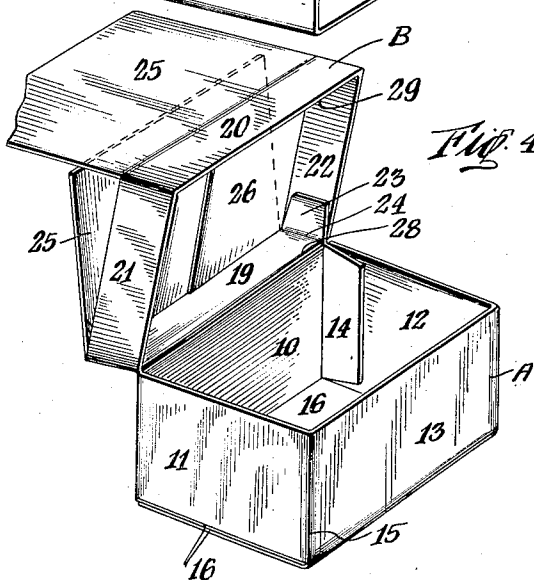
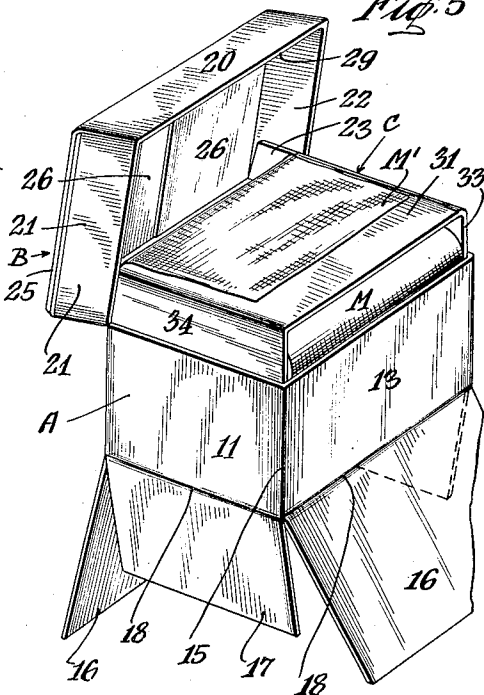


Fig. 5



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## UNITED STATES PATENT OFFICE

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## DISPENSING CONTAINER

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4 Claims. (Cl. 206—52)

This invention relates to dispensing containers and more particularly to a container adapted to receive a roll of material and dispense the same as required.

Containers heretofore provided for the dispensing of rolled sheet material, such as ribbon, gauze, adhesive strips, bandaging material and the like have been very expensive to make and oftentimes the cost of the container exceeds the cost of the material packed therein. The dispensing mechanism of prior containers also operate indifferently, oftentimes getting out of order and necessitating taking the container apart in order to extract the contents. Again, certain types of rolled sheet material, such as used for the bandaging of wounds, should be fully protected against dust, dirt, germs and contaminating influences, and containers heretofore made have been lacking in these protective features. This is especially true of those containers which have no adequate provision for protecting the free end of the rolled strip. Where the end of the strip is left exposed to contaminating influences, the protective features which the container might otherwise have, are of little or no value.

An object of my invention is to provide a dispensing container for strip material which can be inexpensively made, which provides full protection to the contents at all times, and which can be easily and quickly assembled together and packed.

Another object of my invention is to provide a dispensing container for rolled strip material which is sanitary and fully protects the contents from contamination, which is convenient to use, and which may be made into a number of attractive designs and patterns.

Still another object of my invention is to provide a dispensing container for rolled strip material from which the contents may be withdrawn as needed, and which is provided with a protective means which fully encloses the free end of the strip when not in use.

Another object of my invention is to provide a substantially foolproof dispensing container from which rolled strip material may be easily and conveniently withdrawn.

Other objects of this invention will become apparent as the disclosure proceeds.

Although the novel features which are believed to be characteristic of this invention will be particularly pointed out in the claims appended hereto, the invention itself, as to its objects and advantages, and the manner in which it may be carried out, may be better understood by referring to the following description taken in connection with the accompanying drawing forming a part thereof, in which

Fig. 1 is a face view of a paperboard blank from

which the container housing the dispenser may be made;

Fig. 2 is a face view of a paperboard strip from which the roll holder and dispenser may be made;

Fig. 3 is a perspective view of the assembled dispenser with a roll of gauze positioned therein;

Fig. 4 is a perspective view of the blank shown in Fig. 1 in the process of assembly to form the container; and

Fig. 5 is a perspective view of the container with the cover portion thereof raised, the dispenser and gauze roll being shown operatively positioned therein.

Similar reference characters refer to similar parts through the specification and drawing.

I have shown in Figure 1 a blank which may be made of paperboard or other sheet material suitably cut and scored to form the body portion A and the cover portion B of the container which house the dispenser and roll material. The body portion A of the blank generally comprises a rear wall 10, side walls 11 and 12, front wall 13 and a securing tab 14, all separated and defined by the score lines 15. The bottom of the container is formed from the front and rear wall flaps 16, defined from the front wall 10 and the rear wall 13 by the score lines 18, and the side flaps 17, defined from the side walls 11 and 12 by the score lines 19.

The cover portion B comprises generally a top wall and a surrounding flange hinged to the rear wall 10 of the body portion along the score line 20. The cover flange comprises generally a rear flange 19, side flanges 21 and 22, front flange 20, and a securing tab 23, defined by the score lines 24. A cut 29 separates the side flanges 21 and 22 and the front flange 20 from the side walls 11 and 12, and the front wall 13 respectively of the body portion. The top wall of the cover portion is made from the rear and front wall flaps 25 and the side wall flaps 26 defined from the flange of the cover portion of the score lines 27.

The body portion B of the container is assembled by folding the blank shown in Figure 1 into tubular form along the score lines 15, and then cementing or otherwise securing the tab 14 to the free edge of the side wall 12. The front and rear wall flaps 16 and the side wall flaps 17 are then folded inwardly in superimposed relationship and cemented together to form the bottom wall of the container. Similarly, the cover portion of the container is assembled by folding the flange thereof into tubular form along the score lines 24 and then cementing or otherwise fixing the securing tab 23 to the free edge of the side flange 22. The front and rear wall flaps 25 and the side wall flaps 26 are then folded inwardly in superimposed relationship and cemented together to form the top wall of the cover portion of the container.

The dispensing device C comprises generally a

tubular member adapted to house the roll strip M. The dispensing device also supports the free end of the unrolled strip and guides the unrolled portion of the strip into dispensing position. The dispensing device is made from the blank shown in Figure 2 and comprises generally a top wall 31, a bottom wall 32, side walls 33 and 34 and a securing tab 35, defined by the score lines 36. The dispensing device is assembled by cementing or otherwise fixing the securing tab 35 to the free edge of the side wall 33, as clearly shown in Figure 3.

In packaging the roll strip M, the roll is inserted into the tubular dispensing device C with the free end M' of the strip extending over and around the rear edge 37 of the top wall 31 of the dispenser. When so arranged, the dispensing device C and rolled strip M are inserted into the body portion of the container, as shown in Figure 5. When the bottom wall 32 of the dispenser rests upon the bottom wall of the container, the side walls 33 and 34 of the dispenser project above the top edge of the body portion of the container. The upper part of the tubular dispensing device thus serves as a collar which guides the cover portion of the container into closed position and then frictionally holds the same in closed position. The rolled material M is housed and protected by the body portion of the container and the tubular dispensing device. The rear edge 37 of the top wall 31 of the dispenser guides the gauze strip into dispensing position and the top wall 31 supports the unrolled end M' of the roller material. The end of the gauze strip is thus fully protected against dirt and contamination by the cover portion of the container.

When the strip is dispensed, the end portion M' of the strip is pulled forward, which causes the roll to revolve and unwind. When sufficient material has been withdrawn, the required length is clipped off and used as desired. The remaining end portion M', which has already been unwound from the roll, can then be folded and placed on the top wall 31. The closure portion of the container is folded down over the end of the strip so as to house the same between the top wall 31 and the closure portion and protect the same from dirt and contamination.

It is now seen that I have provided a container comprising a body portion and a cover portion, formed complete from a single blank of sheet material. The blank can be formed in a single operation on a cutting and scoring machine. The blank can also be assembled on a gluing machine without necessitating any hand labor whatever. The dispensing tube is made of a single piece of paperboard material and the rolled material can be quickly and easily inserted therein and the dispenser telescoped within the body portion of the container. The dispenser guides and holds the cover portion into telescoped position, it protects the rolled contents within the container and also serves as a guiding means in the unwinding of the rolled strip. The cover portion protects the free end of the strip from germs, dust, dirt and contamination since the end of the strip is housed between the top wall 31 and the outer closure portion. The container fully protects the contents at all times and provides an attractive package for the dispensing of rolled materials, which can be inexpensively made into any number of attractive designs and patterns.

It is understood that the dispensing container

herein disclosed may be used for the dispensing of a large variety of different rolled materials, such as cloth, ribbon, strips, gauze, bandages, tape and other rolled articles.

While certain novel features of the invention have been disclosed and are pointed out in the annexed claims, it will be understood that the various omissions, substitutions and changes may be made by those skilled in the art without departing from the spirit of the invention.

What is claimed is:

1. A dispensing container for a rolled strip including in combination, a body portion formed from a single blank of paperboard material, said body portion comprising side walls and a bottom wall, and a dispensing device inserted within said body portion and housing the rolled strip, said device comprising a tubular member having a top wall supporting the unrolled portion of the strip, the rear edge of said top wall being arranged and operative to guide the unrolled portion of said strip forwardly into dispensing position.
2. A dispensing container for a rolled strip including in combination, a container comprising a body portion and a cover portion formed from a single piece of paperboard material, said body portion comprising bottom, front, rear and side walls, said cover portion being hinged to the rear wall of the body portion, and a dispensing device inserted within the body portion of the container and housing the rolled strip, said device comprising a tubular member having side walls, a bottom wall and a top wall adapted to support the unrolled portion of the strip and to telescope within the cover portion of the container, the rear edge of said top wall being arranged to operatively guide the unrolled portion of said strip from the rear wall forwardly into dispensing position.
3. A dispensing container for a rolled strip including in combination, a container comprising a body portion and a cover portion formed from a single piece of paperboard material, said body portion comprising bottom, front, rear and side walls, said cover portion being hinged to the rear wall of the body portion, and a dispensing device inserted within the body portion of the container, said device comprising a tubular member having a top wall supporting the unrolled portion of the strip, the rear edge of said top wall being arranged to guide the unrolled portion of the strip from the rear wall forwardly into dispensing position, said closure portion being arranged to cover and house the unrolled portion of the strip supported on said top wall.
4. A dispensing container for a rolled strip including in combination, a container comprising a body portion and a cover portion formed from a single piece of paperboard material, said body portion comprising bottom, front, rear and side walls, said cover portion being hinged to the rear wall of the body portion, and a tubular dispensing device including a top wall and side walls inserted within said container, said top wall being arranged to support the unrolled portion of the strip and the rear edge of said top wall being arranged to guide the unrolled portion of the strip from the rear wall forwardly into dispensing position, the side wall portions of the dispensing device being arranged to project above the top edge of the body portion of the container and operative to guide the telescoped cover portion into closed position over the body portion of the container.

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