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SANITARY DISPENSING PACKAGE

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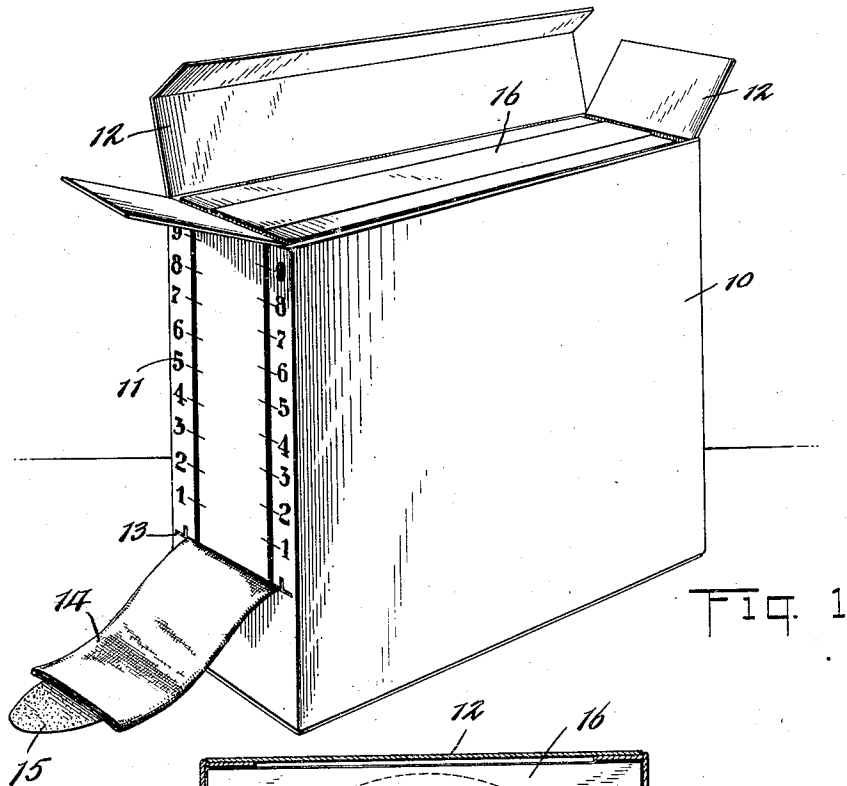


Fig. 1

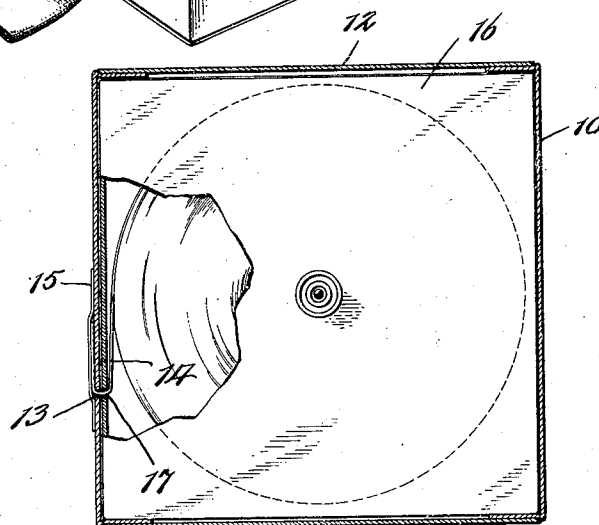


Fig. 2

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SANITARY DISPENSING PACKAGE

Application filed May 28, 1930. Serial No. 456,396.

This invention relates to dispensing packages and containers and has especial reference to such as are intended to permit dispensing strip or flat ribbon-like material such as ribbon, gauze, tape and the like.

The object of the invention is to provide a simple, compact, and efficient unit or package which can be attractively merchandized and from which the material may be easily and quickly dispensed in predetermined quantities when desired.

A further object is to provide a package in which the material may be sealed substantially completely against dirt and dust and moisture at all times and yet permit the ready and easy dispensing of the desired quantity of material.

A still further object is to provide a package such that (1) it can be sealed at the factory to contain a reel of clean sterilized material such as gauze for medicinal or surgical purposes; (2) which will maintain the material such as the gauze substantially free from dirt and dust and moisture; and (3) which will permit the use of an outer attractively ornamented carton for advertising purposes without impairing the ease of dispensing the material.

Further and more specific objects, features, and advantages will more clearly appear from the detailed description given below when taken in connection with the drawings herewith which form part of the specification and which illustrate one present preferred form of the invention.

The invention in general terms contemplates providing an outer carton which may be attractively displayed and marked with advertising matter. This carton has a narrow slit in its side through which the material is pulled. Generally in selling the unit, the end of the material projects slightly through this slit and is sealed against the outside of the carton. When the seal is broken the material may then be pulled out of the package as desired.

Within the carton or outer container is disposed a sealed box or unit which is preferably made and assembled at the factory and which contains therewithin a reel of the ma-

terial to be dispensed such as sterilized clean gauze. This inner unit has a very narrow slit through which the material can be drawn so as to be pulled from the sealed unit and through the slit in the outer carton. The inner unit is however practically a separate and complete package by itself as far as is concerned the protection of the material therewithin. Thus large numbers of these units and sealed boxes may be made and stored away and then sold to dealers who may put thereon the outer cartons which can be marked up to suit the conditions of sale. All this time the material has been practically airtight, moistureproof, and dirtproof. By providing a slit in the inner and outer container instead of a slot, these slits act substantially to automatically seal both the inner and the outer container against the ingress of dirt, dust and moisture. They also tend to prevent the material from unreeling more than is desired.

For the purpose mentioned it is important to emphasize the distinction between the word "slit" and the word "slot", according to applicant's interpretation in this case. A slit is merely a very slight cut made in a surface without any appreciable width to it transversely of the cut, whereas a slot is a definite narrow opening having a more or less definite tangible transverse dimension.

The invention is illustrated in the drawings in which,

Fig. 1 is a perspective view of the entire package;

Fig. 2 is a sectional view thereof with one side of the outer carton removed.

As shown in the drawings, a present preferred form of the invention comprises an outer carton such as 10 which may be attractively decorated or marked for advertising and other purposes. It may have graduations or rulings such as 11 thereon for measuring the material drawn from the package. The usual flaps such as 12 permit access to the interior of the carton. A slit 13 in the carton 10 permits the material 14 to project and be pulled through the slit as desired and needed. The material is shown as a strip of gauze altho other material may be dispensed

as desired. Preferably the very end of the material may have a seal such as 15 thereon to permit it to be sealed to the outer face of the carton until it is desired and needful to begin dispensing the material from the package.

Within the outer container or carton 10 there is disposed a substantially complete self contained sealed box or unit such as 16 preferably made of card board and sealed up as to the usual flaps and openings therein through which material may ordinarily be introduced into the box 16. This box or unit is preferably made and filled with material and sealed up at the factory or laboratory. It has a small slit 17 in one side so that the material may be drawn therefrom as desired but this slit is so narrow that no dirt dust air or moisture can get into the package or inner box. The material passes through the slit 17 and then through the small slit 13 to the outer face of the carton 10 where it can be cut off or measured as needed.

Preferably the gauze 14 is wound within the box 16 on a reel which may be journaled within the box or unit 16 in any suitable manner so that as the material is pulled out of the package the reel will turn therein but enough friction is provided to create desired resistance to movement so that over running will not occur.

Thus there is provided a complete self-contained inner box or unit having a dispensing slit alined with a slit in an outer carton which can be attractively marked or used for advertising purposes. The material is sealed to the outer carton until dispensing commences and can be measured thereon. The material is free from dirt dust air moisture and will remain thus protected at all times as long as the inner container is sealed as it is intended to be. The inner boxes with their contents may be made in large quantities and then put into any type of outer carton desired.

The provision of slits enables the walls of both containers to grip the gauze or other material being dispensed to keep it from unrolling. The material has to be positively pulled out of the device against the frictional gripping thereon thus provided. By having slits instead of slots, the material being dispensed fills the entire opening to prevent the ingress of moisture, dirt and dust especially into the inner container.

While the invention has been described in detail and with respect to a present preferred form thereof, it is not to be limited to such details and forms since many changes and modifications may be made and the invention embodied in other forms and modifications without departing from the spirit and scope of the invention in its broadest aspects. Hence it is desired to cover any and all forms and modifications of the in-

vention which may come within the language or scope of any one or more of the appended claims.

What is claimed, is:

1. A sanitary dispensing package comprising an outer container having a slit therein, an inner box or container having an alined slit therein, the inner container being otherwise completely sealed up, and strip material within the sealed container and adapted to pass through the alined slits.

2. A sanitary dispensing package comprising an outer container having a slit therein, an inner box or container having an alined slit therein, the inner container being otherwise sealed completely to prevent ingress of dirt, air and moisture within the inner container, and a reel of strip material such as gauze within the inner container, said material adapted to pass through the alined slits when being dispensed.

3. A sanitary dispensing package comprising an outer carton, having a narrow slit and flaps thereon to permit the introduction of material into the carton and the egress of material therefrom, a completely sealed inner box or container having a slit therein alined with the slit in the outer carton, the inner box otherwise being completely sealed against dirt and moisture, a quantity of material such as gauze within the box, said material being in the form of a strip or ribbon, said material adapted to pass out of the inner container through the alined slits to be dispensed in lengths determined by the amount pulled therefrom.

4. A sanitary dispensing package comprising an outer container having a slit therein, an inner box or container having a slit therein, the inner container being otherwise completely sealed up, and strip material within the sealed container and adapted to pass through said slits.

Signed at Griswoldville, in the county of Franklin and State of Massachusetts, this 24th day of May, 1930.

ROBERT WISHART.