

Feb. 13, 1934.

L. A. MACKLANBURG

1,947,351

PACKING, DISPLAYING, AND DISPENSING DEVICE

Filed May 16, 1932

3 Sheets-Sheet 1

Fig. 1.

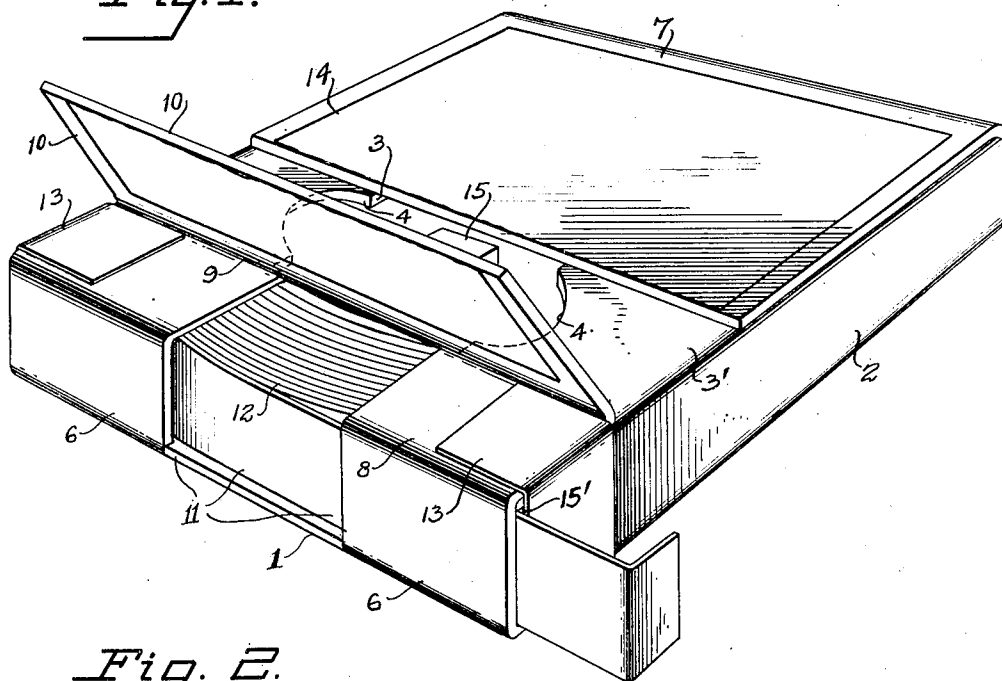


Fig. 2.

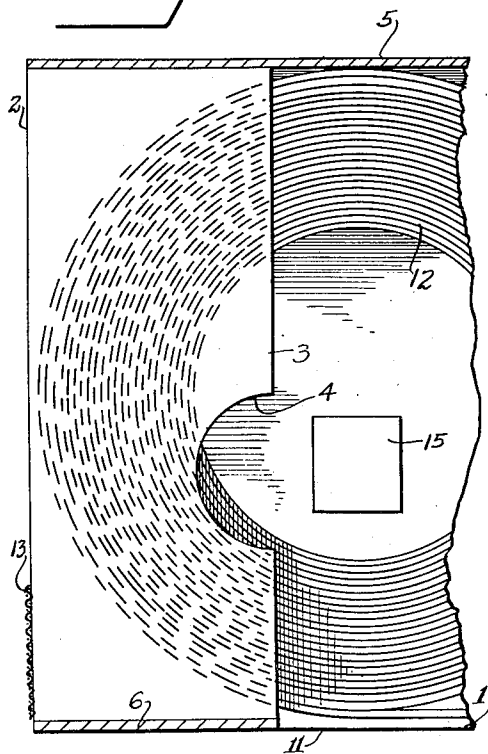
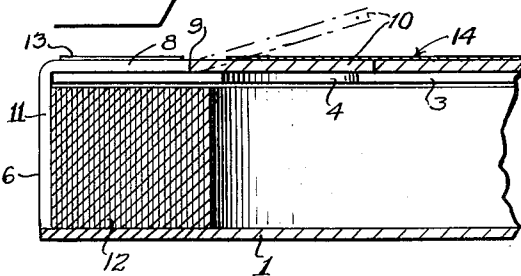


Fig. 3.



Inventor

Louis A. Macklanburg

By

Mason Fenwick Lawrence

Attorneys

Feb. 13, 1934.

L. A. MACKLANBURG

1,947,351

PACKING, DISPLAYING, AND DISPENSING DEVICE

Filed May 16, 1932

3 Sheets-Sheet 2

Fig. 4.

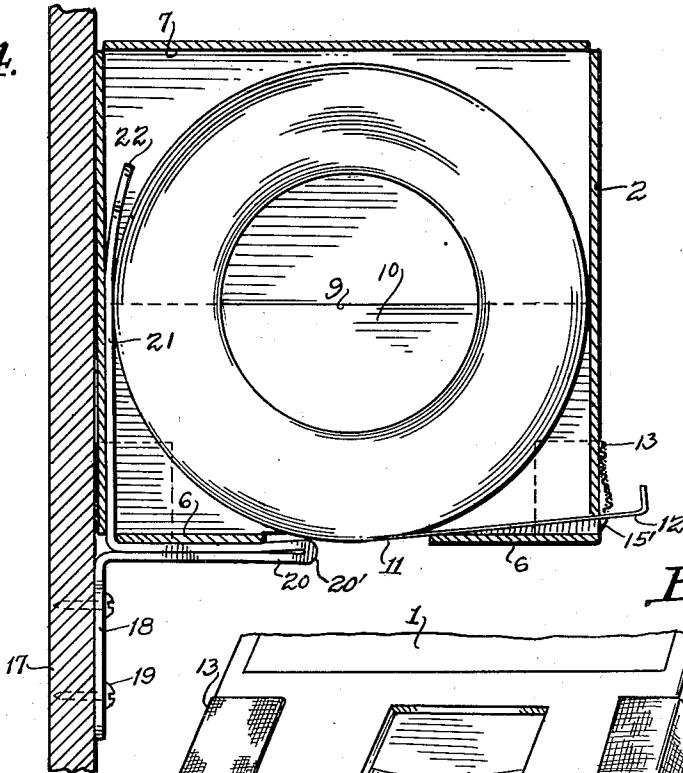


Fig. 5.

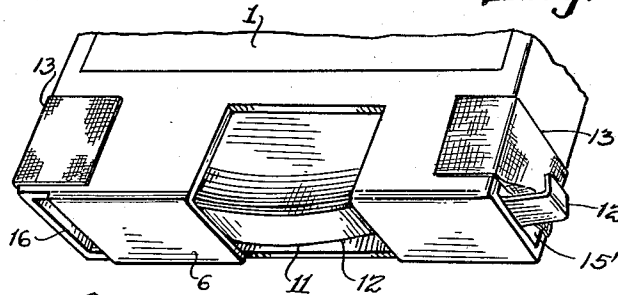
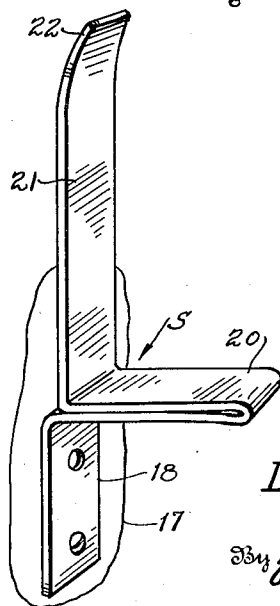


Fig. 6.



Inventor

Louis A. Macklanburg

By *Mason Fenwick Lawrence*
Attorney

Feb. 13, 1934.

L. A. MACKLANBURG

1,947,351

PACKING, DISPLAYING, AND DISPENSING DEVICE

Filed May 16, 1932

3 Sheets-Sheet 3

Fig. 7.

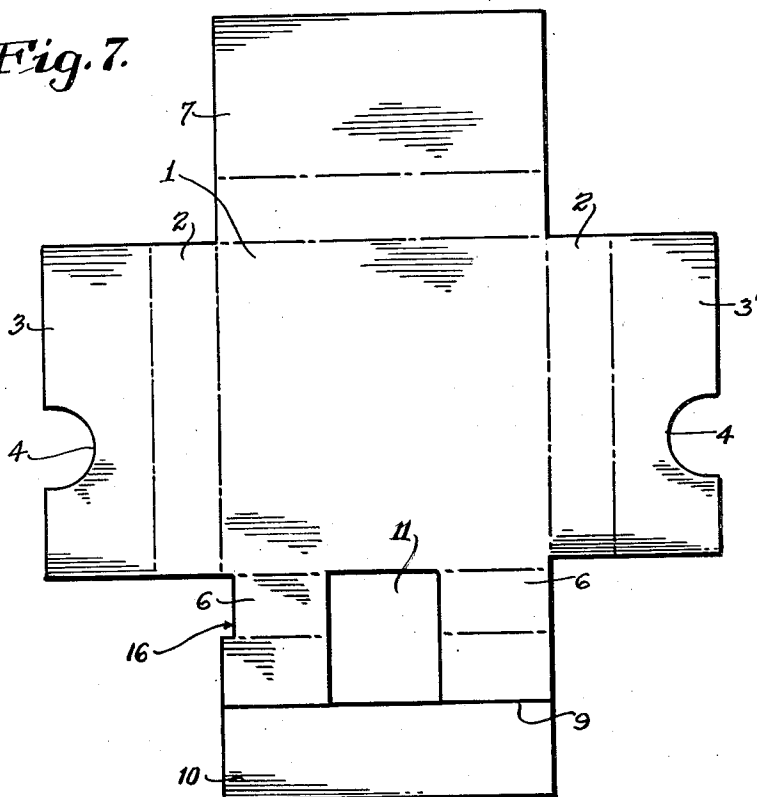


Fig. 8.

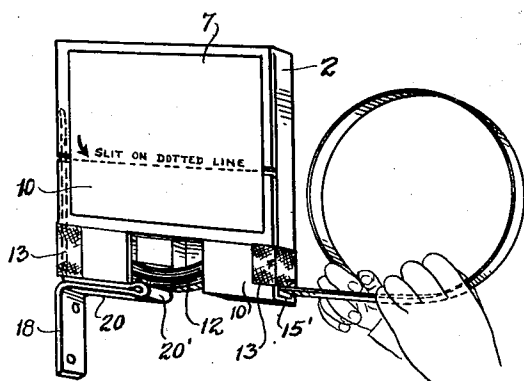
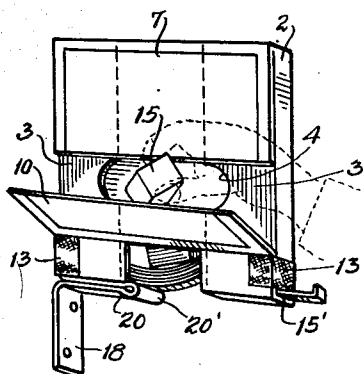


Fig. 9.



Inventor

LOUIS A. MACKLANBURG

By *Mason Fenwick Lawrence*
Attorneys

UNITED STATES PATENT OFFICE

1,947,351

PACKING, DISPLAYING, AND DISPENSING
DEVICE

Louis A. Macklanburg, Oklahoma City, Okla.

Application May 16, 1932. Serial No. 611,684

3 Claims. (206—52)

This invention relates to a packing, displaying and dispensing device for material such as weatherstripping linoleum bindings and the like, which is packed and dispensed in coils.

5 In the retailing of such weatherstripping linoleum bindings and the like it is customary to provide tacks or brads for use with the same so that it is desirable that a proper quantity of tacks or brads be packed with each coil of strip-
10 ping linoleum bindings and the like.

It is further desirable that the coil be properly protected, not only in transit but while being dispensed at retail so as to be protected against injury and undue tarnishing. It is also
15 desirable that the packing and dispensing container have means to permit the ready inspection of the coil and to permit the salesman to know how much of the coil remains in the container.

20 Furthermore it is quite important that means be provided to permit the recoiling in the container of any excess of material withdrawn and that proper provision be made for holding the container in a convenient manner on the mer-
25 chant's counter or the like.

The object of the present invention is to provide an improved and simplified container which will serve for packing a coil for shipment and as a protective display device for the coil
30 during the retailing of the same, requiring the minimum manipulation and providing at the same time for a convenient storage of the supply of brads or tacks to be dispensed with the coiled material, together with improved means for
35 holding the container while the contents are being dispensed.

The invention consists in the novel construction, arrangement and combination of parts
40 hereinafter more particularly described and claimed.

Three sheets of drawings accompany this specification as part thereof in which like reference characters indicate like parts throughout.

45 Figure 1 is a perspective view of the improved device containing a coil of weather stripping and open so far as is necessary to permit the dispensing of the weather stripping with the tacks or brads to be sold together;

50 Figure 2 is a fragmentary horizontal cross section of the partially opened container;

Figure 3 is a fragmentary vertical cross section taken through the inspection window;

55 Figure 4 is a vertical cross section through the device on its holder;

Figure 5 is a fragmentary end view of the container;

Figure 6 is a perspective of the improved holder.

Figure 7 is an elevation of a blank of the 60 carton forming the essential part of this invention;

Figure 8 is a perspective of the device ready to be secured to a substantially vertical support; and 65

Figure 9 is a perspective similar to Figure 8, but with parts of the invention shown in different position.

In accordance with the present invention the improved packing and display container is preferably formed from cardboard or similar material which is cut into the form of a cross, the central part 1 of which constitutes the bottom of the assembled carton. 70

The outer ends of the opposite arms 3 and 3' 75 of the blank are notched as at 4 and these lateral arms are folded up with respect to the central rectangular bottom part 1 to form side walls 2 and inwardly directed top flaps which in folded position bring the notches 4 into opposition, defining a substantially central window, substantially over the central aperture of the coil of weatherstripping 12 when positioned on the bottom 1. 80

One of the legs of the cross like blank is provided with a cutout window 11 of a length substantially greater than the depth of the finished carton and extending from the adjacent edge of the bottom 1 to a transverse crease line 9. This leg member is adapted to be folded up to 85 form two spaced end walls 6—6, one on either side of the window 11 and then folded over the inturned flaps 3—3 so that the end part 10 of this leg member will form a door hinged on the crease line 9 adapted to overlies and close 95 the central window defined by the notches 4—4. The upper leg or head part of the cross like blank is adapted to be folded up to constitute the opposite end wall of the carton and a top member 7 which extends over the inturned top 100 flaps 3—3 to a point adjacent the door member 10.

The carton when folded in the manner described over a coil of weatherstripping 12 will have the door member 10 sealed to the top part 105 7 as by a wrapper 14 which will seal the weatherstripping within the carton together with a suitable number of packages of tacks 15 positioned within the center of the coil. The carton will be further secured by strips of adhesive 110

tape 13 extending from the bottom 1 up over the sides 2 and over the top flap 3 intermediate the hinged door 10 and the end wall members 6-6.

- 8 The arm 3' is made slightly shorter than the arm 3 to form a slot 15' at one corner of an end wall 2 through which the outer end of the enclosed coil may be threaded and through which the coiled material may be drawn as desired.
- 10 A recess 16 is formed in the cut-out leg to provide a slot in the opposite corner adapted to receive the holding tongue of the supporting device hereafter described.

- 15 This supporting device, which is preferably made substantially of metal and mounted on a wooden base is adapted to be used over a long period of time with many containers of similar construction to that heretofore described.

- 20 The holder consists essentially of a metal strap 18 return bent upon itself to provide a laterally extending shelf 20 and terminating in a free ended tongue part 21, the extreme end of which 22 is bent slightly outward. The part 18 is secured as by screws 19 to a substantially vertical support 17; and as thus arranged, it will be noted that the tongue 21 is slightly spaced from but parallel with the adjacent face 17 while the shelf 20 is substantially perpendicular to that face.

- 30 In use the tongue 21 will be slipped through slot 16 in the container and will be positioned snugly within the container between a wall 2 and the coiled material 12.

- 35 It is to be noted that the rounded end 20' of the shelf 20 contacts with and forms a support for the coil 12. It is also to be noted that the tongue 21 extends upwardly into the carton and beyond the center thereof to form a metallic contact surface for the coil 12. This support construction is, therefore, of peculiar importance in relation to the carton disclosed herein, since it provides at least two metallic lines of wear contact with the outer convolution of the coil 12 during a dispensing operation. The natural resilience of the tongue 21 can be depended upon to hold the vertical end wall for the carton snugly against the support 17.

- 45 In dispensing goods of this character, it is a common experience to have prospective purchasers pull the outer strip of the coil out from the carton in order to inspect the strip. Since the material of the strips is usually very thin, it is practically impossible to force the extended strip directly back into the carton without kinking the strip. To provide for the return of the strip, the window 11 is extended along one of the wide sides of the carton to enable the operator to grasp the coil between its inner and outer convolutions for the purpose of rotating the coil bodily in the carton. Of course, this lateral extension of the window 11 also serves as a wide opening to enable the operator to determine just how much of the coil remains within the carton.

- 55 When it is desired to open the container after shipment thereof for the purpose of dispensing the weatherstripping the label 14 will be slit intermediate door 10 and top flap 7 thus permitting the lifting of door 10 and the removal of boxes of brads from within the carton as desired. Wall 2 will be slit in one corner to permit the withdrawal of the free outer end

of the coil of weather stripping and the carton will be left in this position on the counter or on the shelf of the retail store. It will be apparent that the coil of weatherstripping 12 will be at all times substantially protected from handling and the weather but will have a portion thereof always open to inspection through window 11, while the hinged door 10 will permit the removal of boxes of tacks as desired from within the carton so that the carton will protect the coil and serve as a neat and attractive display container until the coil is entirely sold.

It will also be apparent that any excess of material withdrawn through slot 15' may be readily recoiled by grasping the coil through window 11 and rotating the entire coil within the container.

The holder 17 which will preferably be permanently secured to the merchant's counter will rigidly hold the container at all times and new containers can be substituted as necessary.

Various modifications will readily suggest themselves to those skilled in the art but within the scope of the present invention as claimed.

Having thus fully described my invention, I claim:

1. A carton forming blank comprising a cross shaped sheet having crease lines defining the rectangular part between the arms and legs, each arm having a notch on the outer edge, a leg having a transverse crease spaced from its outer edge, to define a door part and having a cut out window extending inwardly from said crease line; said arms and legs adapted to be folded to form side and end walls and intumed top forming flaps; said notches in the ends of the arms adapted to form a substantially centrally positioned window in the top over which said door part is adapted to seat, in which position the window in said leg part will extend the depth of one end wall and into the top a substantial distance from the edge as specified.

2. A shipping, displaying and dispensing container for coiled weatherstripping and the like comprising a rectangular carton conforming in size to that of the coil to be handled and having a cut-out portion across one of the end walls of the carton and partly across one of the side walls adjacent to the said end wall to expose the convolutions of the coil, whereby an operator may grasp the exposed convolutions to rotate the coil bodily in the carton.

3. A metal strap adapted to be secured to a substantially vertical support, a shelf extending laterally from said strap and having its outer end rounded to form a bearing, a retaining strip extending from said shelf in the direction opposite to said strap, said retaining strip being substantially parallel to said strap and slightly offset toward said round end, a substantially rectangular dispensing display carton having a coil of metallic ribbon enclosed therein with part of the coil extending through a slot formed in one of the end walls of the carton to be supported in sliding contact with said round end, said retaining strip extending into said carton with its outer face in contact with one of the end walls adjacent the slotted end wall and with its inner face adapted for wear contact with the outer convolution of said coil.

LOUIS A. MACKLANBURG.