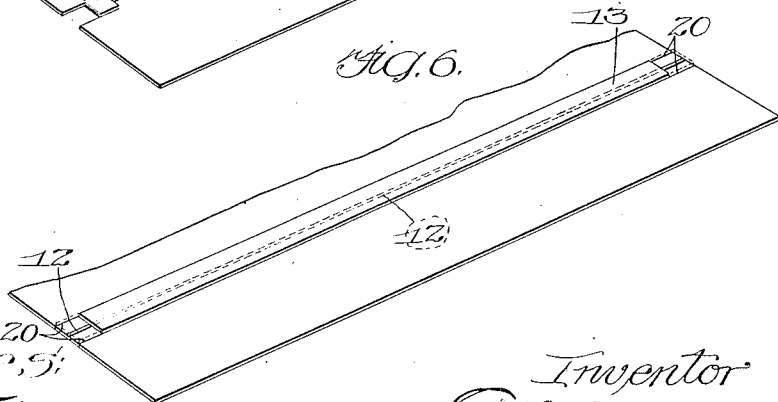
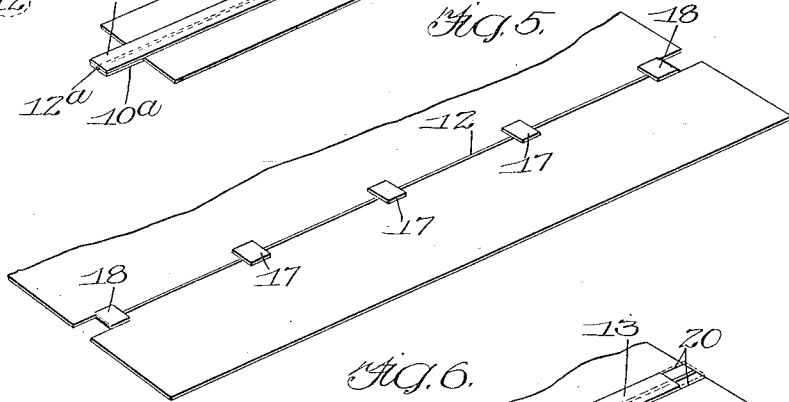
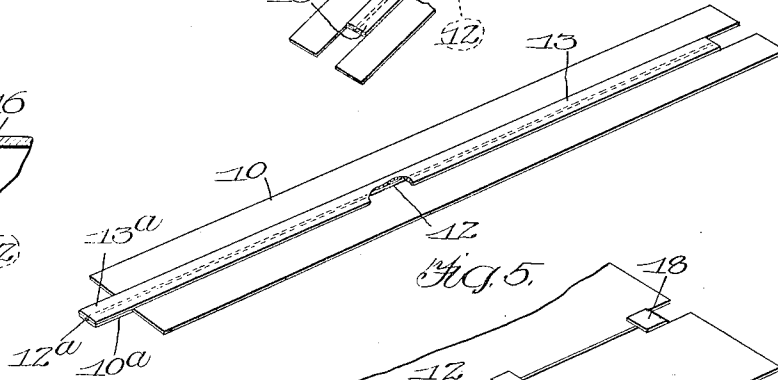
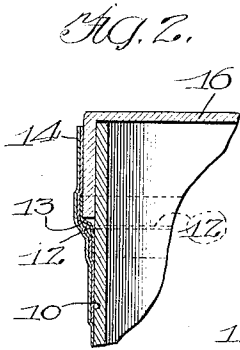
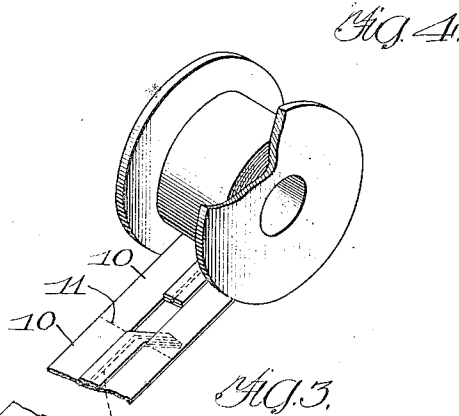
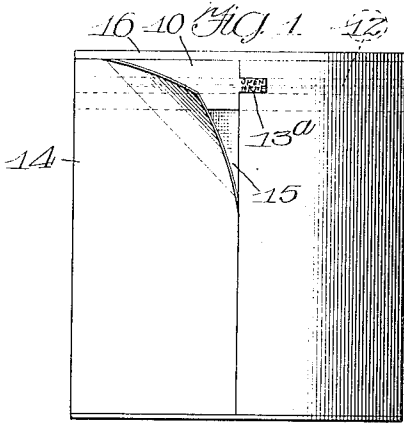


E. H. RODEN.  
 WRAPPER OR SEALING STRIP FOR CANS, PACKAGES, AND THE LIKE.  
 APPLICATION FILED JUNE 4, 1908.

1,032,026.

Patented July 9, 1912.



Witnesses:  
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 (A. Sprinkle)

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 By Brown & Hoopes  
 Attys

# UNITED STATES PATENT OFFICE.

EPHRAIM H. RODEN, OF CHICAGO, ILLINOIS.

WRAPPER OR SEALING-STRIP FOR CANS, PACKAGES, AND THE LIKE.

1,032,026.

Specification of Letters Patent.

Patented July 9, 1912.

Application filed June 4, 1908. Serial No. 436,569.

*To all whom it may concern:*

Be it known that I, EPHRAIM H. RODEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Wrappers or Sealing-Strips for Cans, Packages, and the Like, of which the following is a full, clear, and exact specification.

The invention relates to wrappers, labels or sealing strips adapted for use on cans, or cartons, or for wrapping or sealing packages of various descriptions, as newspapers, periodicals and the like.

The primary object of the invention is to provide a wrapper, label or sealing strip for cans, cartons, packages and the like of improved construction that is simple and efficient in operation, economical to produce and which may be readily applied in wrapping or sealing the objects on which it is intended to be used.

Various objects are now packed for distribution in cans or cartons provided with telescoping detachable lids and it is desirable that means be provided in using such cans or cartons for hermetically sealing them to prevent the deterioration of the materials contained within the package and it is a further object of the invention to provide an improved form of sealing strip which may be readily applied in sealing such cans or cartons and which is provided at the same time with improved means for permitting such strip to be readily fractured or torn apart to allow the can or carton to be opened without the use of any tool or object aside from the means contained within the sealing means itself.

To the attainment of these ends and the accomplishment of certain other new and useful objects, which will appear, the invention consists in the various combinations and arrangements of the several parts hereinafter described, illustrated in the drawings and pointed out more particularly in the appended claims.

In the said drawings, Figure 1 is a view in elevation of a can or carton to which the invention is shown applied. Fig. 2 is a sectional view showing a detail of one corner of the can or carton adjacent the lid, illustrating the application of the invention. Fig. 3 is a perspective view of the preferred embodiment of the invention as applied to a sealing strip for cans and cartons, and Fig.

4 is a view illustrating the manner in which the sealing strips shown in Fig. 3 are conveniently produced from a continuous web or strip of paper or other flexible material and showing also a convenient manner of retaining such a continuous web of these perforated strips by winding the same on a suitable reel or drum. Figs. 5 and 6 are modifications of the invention, showing the same applied to wrappers or labels adapted for use in wrapping or sealing various styles of packages.

The reference character 10 indicates the body portion of the preferred form of sealing strip, a quantity of such strips being indicated in Fig. 4 as formed from a continuous web of some suitable flexible fabric, as paper, and being perforated for detachment as indicated at 11. When the invention is to be applied to a sealing strip its width need only be sufficient to completely overlap the joint between the walls of the can or carton and the lid to completely seal the receptacle.

In order that the can or carton or other package may be readily opened the surface strip, which is designed to be the inside, or the surface to be placed next the surface of the can or carton when the sealing strip is applied, is provided with a string or cord 12 extending longitudinally of the strip. This thread or cord 12 when the strip is applied to the can or carton is designed to lie adjacent the lower extremity of the flange on the lid or cover so that the operator when it is desired to open the can or carton may, by pulling on a free end of the cord, cause it to fracture the sealing strip throughout the periphery of the lid or cover in a well known manner to permit the same to be removed. The thread or cord 12 is secured in position on the body member 10 by having a longitudinal strip 13 of thin, flexible material, preferably paper of very thin texture, extended longitudinally over the same and of sufficient width to overlap the sides of the thread or cord. This strip 13 is pasted flat to the surface of the body member 10 over the thread or cord, thus securing it in position. For convenience in manipulating the thread or cord to open the package, one end of the thread, as at 12<sup>a</sup>, is extended beyond the end of the strip, in order that the operator may be enabled to grasp this protruding end of the thread or cord. It is preferred that this protruding end 12<sup>a</sup> of the

cord be provided with a suitable label or have some object attached to it in order that it may be more readily discernible. A convenient manner of constructing such a label is illustrated in Figs. 3 and 4 and the method of manufacture of the sealing strips in a continuous perforated web or strip is also shown. The body portions of the strips being formed from the continuous web, which is perforated at intervals as indicated at 11, enables the string also to be applied to the continuous strip in a like continuous length, and over the string the thin strip of paper 13 may also be applied and extend throughout the entire length of the original web. When these parts are secured together, the web is then ready for perforation and at the same time the adjacent tongues may be cut out. These tongues comprise the members 20<sup>a</sup>, cut from the body member 10, a corresponding length 12<sup>a</sup> of the string or cord and a corresponding length 13<sup>a</sup> of the strip securing the cord in position. This protruding tongue having the end 12<sup>a</sup> of the cord or string firmly secured therein may be suitably marked or designated so that persons desiring to open the can may be directed how to proceed. The application of this strip to the can or carton is illustrated in Figs. 1 and 2. The body member 10 being of only sufficient width to conveniently cover the joint between the lid and the can body, an outer label 14 is shown applied over the exterior surface of the can and the sealing strip. When such an outer label or cover is employed the tongue portion of the sealing strip containing the end of the thread or cord should be left protruding as illustrated in Fig. 1.

The reference character 15 indicates the body of the can and 16 the lid or cover.

Heretofore in the construction of string wrappers for packages of various descriptions it has been the practice to secure the threads or cords to be used in opening to the surface of the body member of the wrapper by adhesive materials. To do this it has been the practice to apply the liquid adhesive to the cord, which has been an objectionable method in manufacture, since it has been necessary to subject the wrappers to quick drying processes before they may be conveniently handled or piled. Another objection to the application of adhesive to the string or cord when applied to a sealing strip or label for cans is that sealing strips or labels require the application of fresh adhesive to them at the time they are to be applied to seal the can or carton. Such application of the liquid adhesive to the side of the wrapper to which the string is secured immediately softens the adhesive on the cord and loosens the cord, making it almost impossible to put on a sealing strip with a cord so secured to

the strip. In the present invention these objections are overcome, since a sealing strip having the thread or cord secured as illustrated will allow the application of liquid adhesive to the surface to which the string is secured without causing the string to become detached, since the protective cover 13 while it may have a tendency to absorb some of the liquid adhesive, will yet prevent the detachment of the string or cord while the sealing strip is being placed in the desired position on the can or carton.

It will be apparent that the body portion 10 of the sealing strip as illustrated in Figs. 3 and 4 may be made of sufficient width to serve also as a label and so cover the entire sides of the can and the printed matter and advertising may be placed on the outside as on ordinary labels.

In the modified forms of the invention illustrated in Figs. 5 and 6, the same is shown applied to wrappers which may be used on newspapers, periodicals and packages of various descriptions. In Fig. 6 the method illustrated for securing the string or thread in position is the same as already described, the thin strip of paper 13 extending approximately the entire length of the wrapper. When desired for use on newspapers and the like, the securing strip 13 may terminate short of the edges of the wrapper, leaving the ends of the thread or cord unprotected, or these ends may extend flush with the edges as shown in dotted lines. Ready access to the thread or cord ends may be secured when it is desired to open the package by providing the edges of the wrapper with the parallel slits 20 which are spaced on both sides of the thread or cord ends. The tongue of free material thus formed in the edge of the wrapper may be readily grasped by inserting the nail of the finger thereunder which will disclose the position of the thread or cord end.

The modification illustrated in Fig. 5 dispenses with the use of the continuous strip 13 using instead the detached portions 17 which, like the strip 13, are pasted flat on the surface of the body member. In the modification shown in Fig. 5 the ends of the cord are shown secured by having suitable tongues 18 cut from the material of the body member and folded over the ends of the thread or cord and pasted flat on the surface of the body member.

In order that the invention may be fully understood, the details of the preferred embodiments thereof have been thus specifically described and it will be apparent that many modifications may be made by those skilled in the art without departing from the spirit of the invention, but

What I claim is—

1. In a wrapper or sealing strip adapted to be applied to cans, packages and the like, 130

in combination, a body portion comprising a rectangular strip of flexible material provided at one end thereof with an integral tongue of less width than the main body portion, a thread or cord extending longitudinally of the body portion and having one of its ends flush with the end of the integral tongue, and means for securing the thread or cord to the body portion comprising a continuous flexible strip covering the thread or cord and extending longitudinally thereof and pasted flat to the body portion to inclose the thread between the body portion and the strip.

2. As an article of manufacture, a continuous web of paper being provided with a cord extending throughout its length, said thread or cord being secured in position on said continuous web of paper by a flexible

strip completely covering said thread or cord, said continuous web of paper being so marked at frequent intervals as to designate where it may be fractured to separate individual sealing strips therefrom and being provided adjacent said markings with partially severed portions or tongues cut from the body of the web and having the cord secured thereto, the said cord being severed during the operation of cutting said partly severed portions or tongues.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 2nd day of June A. D. 1908.

EPHRAIM H. RODEN.

Witnesses:

A. L. SPRINKLE,  
M. W. CANTWELL.