

Oct. 13, 1931.

C. H. AMES

1,827,636

MEANS FOR SEALING PACKAGES

Filed March 7, 1929

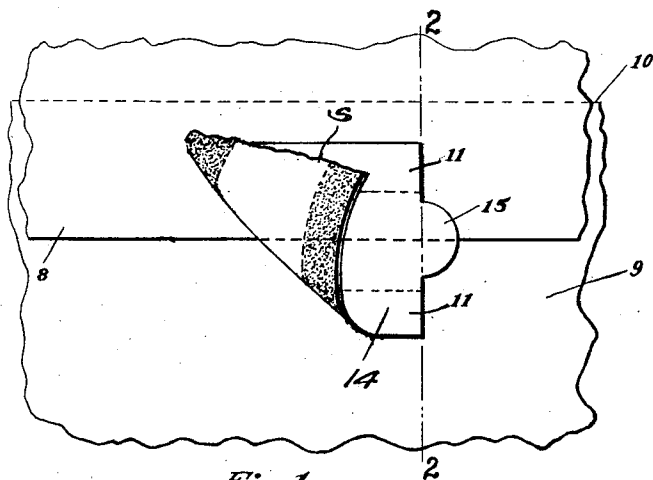


Fig. 1

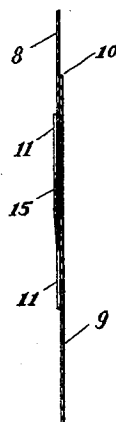


Fig. 2

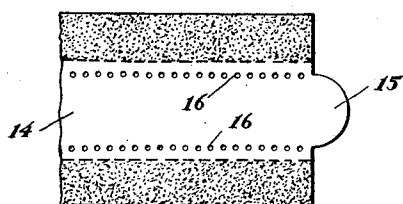


Fig. 3

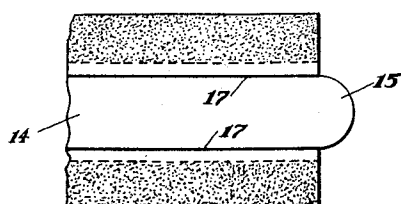


Fig. 4

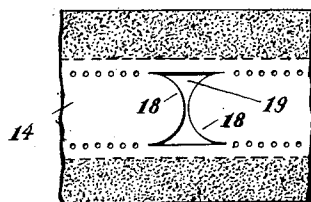


Fig. 5

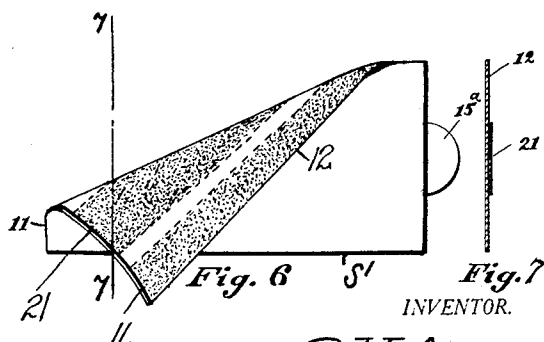


Fig. 6

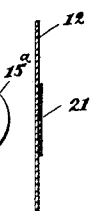


Fig. 7

INVENTOR.

C. H. Ames

BY

Southgate Fay & Hawley

ATTORNEYS.

UNITED STATES PATENT OFFICE

CHARLES H. AMES, OF WORCESTER, MASSACHUSETTS

MEANS FOR SEALING PACKAGES

Application filed March 7, 1929. Serial No. 345,075.

This invention relates to means for sealing wrappers or packages so that they may be easily and conveniently opened when desired.

It is the object of my invention to provide sealing means by which two adjacent or overlapping portions of covering or wrapping material may be firmly secured together but in such manner that they may be quickly separated without the use of a knife or other tool.

In its preferred form, my invention comprises a strip of sealing material having spaced longitudinal edge portions thereof treated with a suitable gum or adhesive and having a central non-adhesive portion between said adhesive edge portions.

The non-adhesive middle portion constitutes a tearing or severing strip which may be readily removed, thus freeing the adjacent edges of the wrapper or package. The removal of the tearing strip may be facilitated by providing one or more tabs by which it may be more easily grasped, and also by scoring or perforating the sealing strip longitudinally between the adhesive and non-adhesive portions.

My invention further relates to arrangements and combinations of parts which will be hereinafter described and more particularly pointed out in the appended claims.

A preferred form of the invention and certain modifications and developments thereof are shown in the drawings in which

Fig. 1 is a plan view of a portion of a package or wrapping having my improved sealing strip applied thereto;

Fig. 2 is a transverse sectional view, taken along the line 2—2 in Fig. 1;

Fig. 3 is a plan view of a portion of a sealing strip provided with longitudinal perforations;

Fig. 4 is a similar view showing longitudinal scoring of the sealing strip;

Fig. 5 is a plan view of an additional modification, adapted to be manufactured in a continuous strip or roll;

Fig. 6 is a plan view of an additional modification involving the use of a supplementary severing member; and

Fig. 7 is a sectional view, taken along the line 7—7 in Fig. 6.

Referring particularly to Figs. 1 and 2, I have shown my invention applied to a container or wrapping having an outer portion 8 overlapping an under portion 9. The edge of the under portion is indicated at 10 and obviously may be extended any distance within the outer portion 8.

My improved sealing strip S is applied along the edge of the overlapping portion 8 and comprises a strip of suitable material provided with adhesively treated or gummed portions 11 along each longitudinal edge thereof.

The middle portion 14 of the strip S is not treated with adhesive and when in use does not attach itself to the wrapper or container to which the strip is applied.

It will be evident that a sealing strip as above described, when applied to a wrapper or container, will firmly secure the overlapping or adjacent parts together and will effectively seal the package, while at the same time the wrapper or package may be readily opened by removing the middle portion 14.

This may be readily done, due to the fact that the middle portion is not treated with adhesive and thus constitutes an effective tearing strip. The removal of this strip 14 is facilitated by providing an extension 15 at one or both ends of the portion 14, this extension forming a tab by which the portion 14 may be readily grasped and torn away from the adhesive portions 11. After this is done, the overlapping portion 8 of the wrapper is entirely free and the package may be opened or unfolded.

Certain modifications of my invention are shown in Figs. 3 to 7, to which reference will now be made.

In Fig. 3 I have indicated the provision of longitudinal lines of perforations 16 between the adhesive and non-adhesive portions, which facilitate the removal of the tearing strip and assure the severing thereof along the desired lines.

In Fig. 4 I have indicated the attainment of similar results by scoring the strip longitudinally, as indicated at 17.

The form shown in Fig. 5 is particularly designed for production in continuous strips or rolls and in this form adjacent tabs 18, separated by an opening 19, are provided.

5 A strip thus constructed may be cut or torn from a continuous roll and the tearing strip may be removed by starting at the middle of its length and tearing toward each end thereof.

10 In Fig. 6 I have indicated a form of my invention in which a separate strip 21 is secured to the under side of a sealing strip S', the strip 21 being preferably gummed to the strip S' along the middle portion thereof, but substantially separated from the adhesive areas 11. The strip 21 may be extended to provide a tab 15^a and the strip may be readily severed as previously described.

While I have shown my improved sealing means as applied to a package having an overlapping covering, it will be evident that the invention is equally applicable to fibre board boxes and other containers in which the edges to be secured abut rather than overlap.

Having thus described my invention and the advantages thereof, I do not wish to be limited to the details herein disclosed, otherwise than as set forth in the claims, but what I claim is:—

1. A sealed package comprising a container having an edge portion thereof adjacent some other portion of said container, and a separate sealing means consisting of a sheet having two integral, longitudinally extended edge portions secured to said two adjacent portions of said container respectively, and a middle longitudinal portion integral with said edge portions, said middle portion of said sealing means being free from said container but overlying the extreme outer edge of one portion thereof, said free portion of the sealing means having an integral tab by means of which it may be readily grasped and severed from said attached portions of the sealing means.

2. As an article of manufacture, a sealing strip consisting of a sheet having integral, longitudinally extended edge portions treated with adhesive, and having its longitudinal middle portion free from adhesive, said middle portion being integral with said edge portions, and provided with an integral tab by means of which said middle portion may be conveniently detached from said edge portions.

3. As an article of manufacture, a sealing strip consisting of a sheet having integral, longitudinally extended edge portions treated with adhesive, and having its longitudinal middle portion free from adhesive, said middle portion being integral with said edge portions, and extended at one end to provide an integral tab by means of which said middle portion may be conveniently detached from

said edge portions, and said sheet being provided with weakened tearing lines longitudinally extended between said middle portion and said edge portions.

4. In a sealing strip, a plurality of body elements each comprising a single sheet having an intermediate portion and plural edge portions integral with said intermediate portion, one of said edge portions being provided with an adhesive area adapted when moistened to engage adjacent the line of juncture, the overlapping surface of a package wrapper, and the other edge portion being provided with an adhesive area and adapted to engage the overlapping surface thereof, the said intermediate portion being non-adhesive and having means integral therewith, to which force may be applied for tearing away said intermediate portion from said edge portions, said body elements being partially separated from each other by cutouts.

In testimony whereof I have hereunto affixed my signature.

CHARLES H. AMES.

90

95

100

105

110

115

120

125

130