

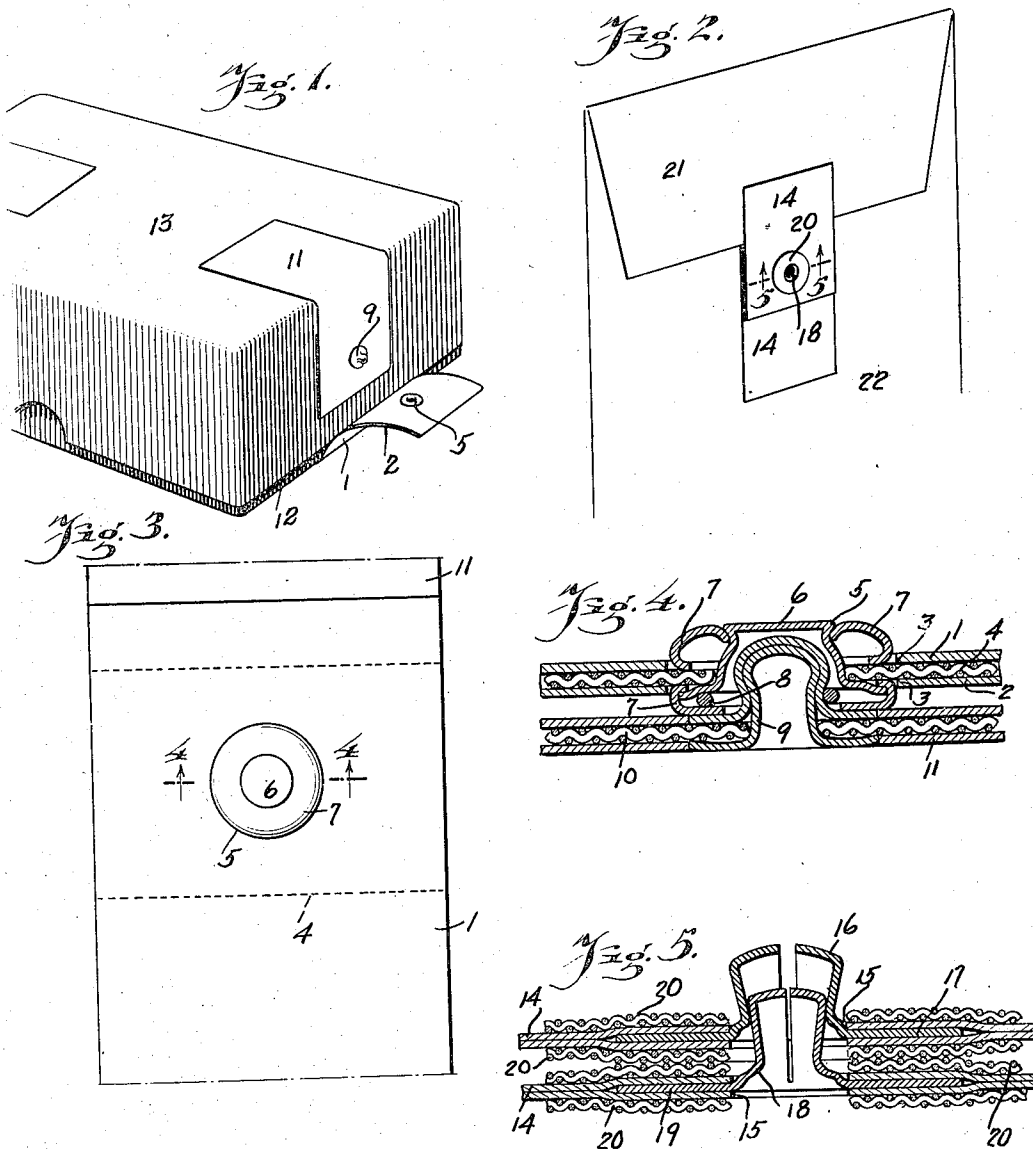
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ATTACHING MEANS FOR SEPARABLE FASTENER ELEMENTS

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WITNESSES

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ATTACHING MEANS FOR SEPARABLE FASTENER ELEMENTS.

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To all whom it may concern:

Be it known that I, BEN Z. HAUSNER, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Attaching Means for Separable Fastener Elements, of which the following is a full, clear, and exact description.

This invention relates to improvements in means for attaching separable fastener elements to a support, particularly to means for attaching snap fastener members to a paper or other stiff flexible support, and resides broadly in the use of adhesives for this purpose.

It has heretofore been found rather inconvenient to use snap fasteners on envelope flaps, paper folds, cardboard box closures, etc., for the reason that the usual method of sewing or crimping the fastener elements on cloth has proven ineffective and impractical as a means for attaching them to paper.

The primary object of this invention, therefore, is to provide means for overcoming this difficulty, and attaching means which will firmly hold the fasteners and which will be simple and practical in application, and efficient in use.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in claims.

In the accompanying drawings:

Figure 1 is a fragmentary perspective view of a box showing the manner of use of snap fasteners attached to a support by my improved means;

Figure 2 is a fragmentary perspective view of an envelope showing another use for the fasteners, and a modified form of attaching means;

Figure 3 is a plan view of a flap with a fastener attached;

Figure 4 is a detail sectional view on the line 4—4 of Figure 3; and

Figure 5 is a similar view on the line 5—5 of Figure 2.

Referring in detail to Figures 1, 3 and 4 of the drawings, the reference numeral 1 designates a short strip of paper or similar material gummed upon one face. This strip is folded adjacent one end, the shorter end 2 being bent back upon the longer end to

present a pair of opposed gummed faces. These opposed and overlying ends are formed with registering openings such as 3.

A strip of cloth 4 has a female snap fastener element 5, including a body 6, a pair of rings 7 and spring 8 clamped thereon in the customary manner. These strips of cloth are sold with a row of fastener elements thereon and may be cut up for the purpose of attaching them in my device. As seen most clearly in Figure 4, the strip 4 is placed between the overlying ends of the paper strip 1 and the ends are sealed by moistening the gummed faces and pressing them together. This serves to firmly hold the strip 4 in place, while the openings 3 expose the fastener element 5.

A male fastener element 9 carried by a cloth strip 10 is attached to a paper strip 11 in a similar manner.

In Figure 1, I have shown one use to which the strips 1 and 11 may be put. A box 12 has one end of the strip 1 attached thereto and the strip 11 is glued to the box cover 13 in such a manner that the fastener elements 5 and 9 may cooperate to lock the box in closed position.

Referring now to Figures 2 and 5 of the drawing, 14, 14 are a pair of gummed paper strips similar to the strips 1 and 11 and each having registering openings 15 in their overlying ends. A female fastener member 16 is formed with an integral and relatively wide flange 17 and a male member 18 is formed with a similar flange 19. In attaching the fasteners these flanges are sealed between the opposed gummed faces of the strips and the fastener members project through the openings 15. Reinforcing rings 20 of cloth or other suitable material may be glued upon the outer faces of the strips 14 around the openings 15 to further insure against the tearing of a fastener element away from its support.

Figure 2 shows the strips 14 attached to the flap 21 and body 22 of an envelope, the fastener members 16 and 18 which they carry cooperating to close the envelope.

It will be apparent from the foregoing description that the invention does not reside in the use of the paper strips or in the particular construction of the fasteners, but rather in the manner of attaching these fasteners to their support.

Although I have illustrated certain of the preferred embodiments of the invention

various slight changes and alterations might be made in the general form and arrangement of the parts described without departing from the invention, and hence I do not wish to limit myself to the precise details set forth, but shall consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of the appended claims.

10 I claim:

1. The combination with a flexible strip of material having a gummed face and having one end bent back upon the strip to provide a pair of gummed surfaces, of a snap fastener element, and means permanently associated with said element and sealed between the two gummed surfaces, said strip having an opening therein through which said element projects or is exposed.

2. The combination with a pair of flexible members, including opposed gummed surfaces having registering openings therein, of a snap fastener element, and means permanently associated therewith sealed between the gummed surfaces, said fastener element extending through one of the openings.

3. The combination with a pair of flexible members, including opposed gummed sur-

faces having registering openings therein, of a snap fastener element, and means permanently associated therewith sealed between the gummed surfaces, said fastener element extending through one of the openings, and a strengthening band glued to the outer faces of the flexible members around the openings.

4. The combination with a strip of flexible material, including a gummed face, and having one end bent back upon the strip to provide a pair of opposed gummed surfaces, of a second strip of flexible material sealed between the gummed surfaces, a fastener element carried thereby, said first mentioned strip and bent end having registering openings therein, accommodating the fastener element.

5. As a new article of manufacture, a flexible strip of material including a gummed surface adapted to adhere to a support, said strip having an opening within the bounds of the gummed surface, and a separable fastener element carried by the strip and including a base portion carrying an offset projection, the projection extending through said opening and the base portion being adhesively secured to said strip at the gummed surface thereof.

BEN Z. HAUSNER.