

Jan. 3, 1939.

E. KARFIOL

2,142,194

ADHESIVE ATTACHMENT STRIP

Filed Feb. 5, 1938.

2 Sheets-Sheet 1

Fig. 1

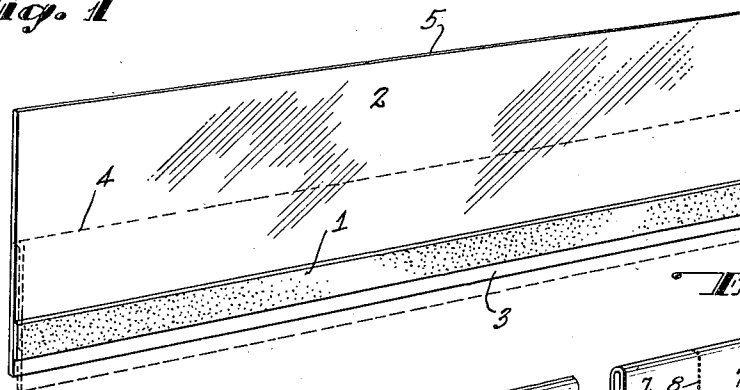


Fig. 2

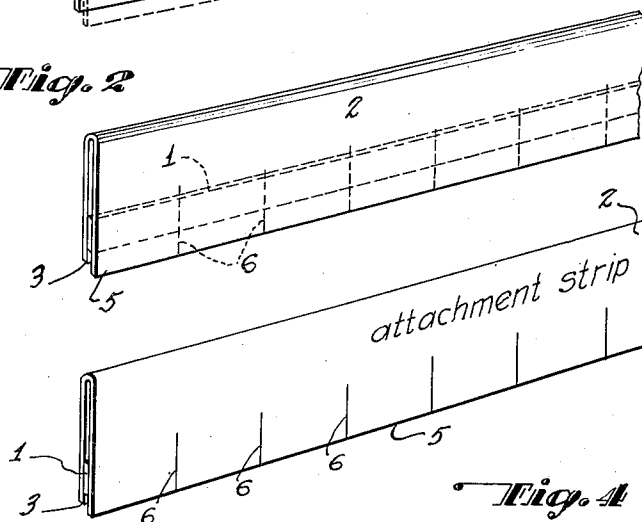


Fig. 3

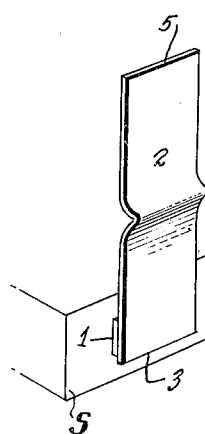


Fig. 5

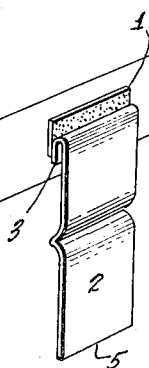


Fig. 4

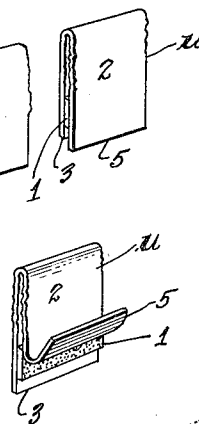
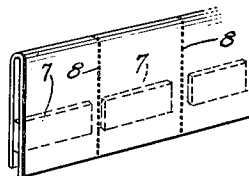


Fig. 6



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2 Sheets-Sheet 2

Fig. 7

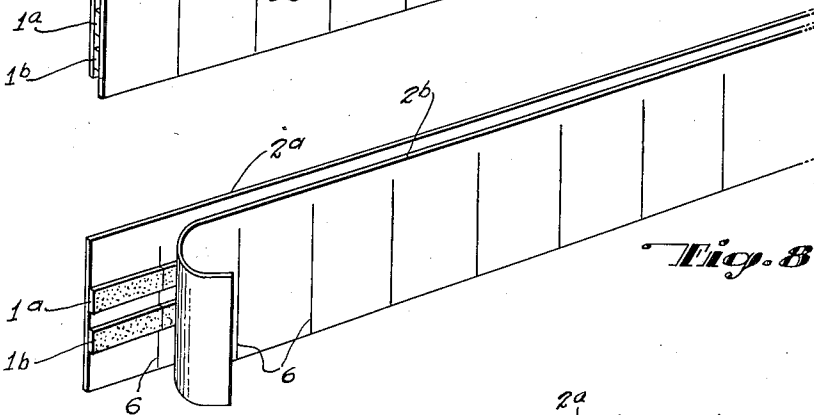
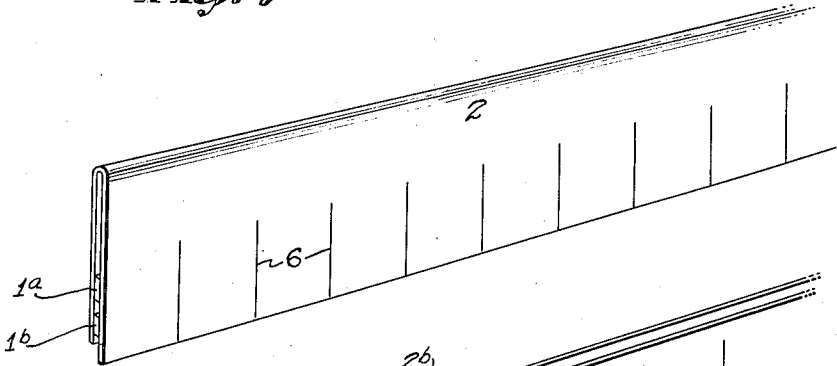


Fig. 8

Fig. 9

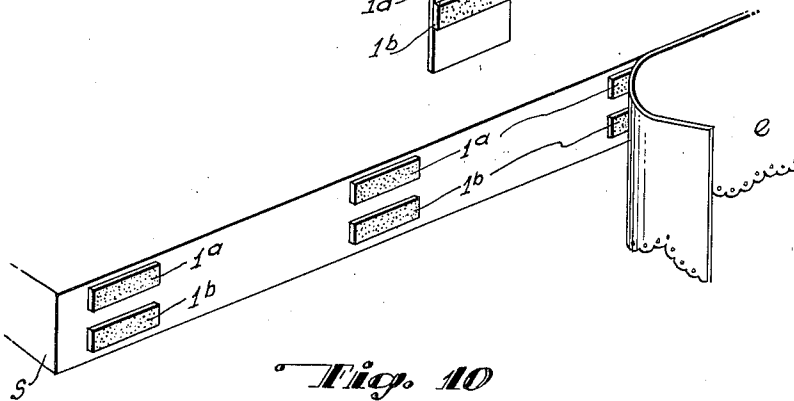
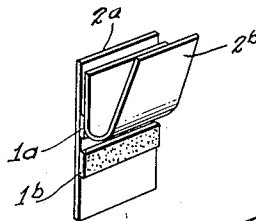


Fig. 10

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2,142,194

ADHESIVE ATTACHMENT STRIP

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Application February 5, 1938, Serial No. 188,943

10 Claims. (Cl. 206—56)

This invention is an attachment strip adapted, for example, to facilitate the attachment of pictures, posters and the like to walls, windows, etc., and for various other and sundry purposes where it may be desirable to adhesively mount one object on another.

The invention is particularly useful for attaching ornamental edgings to shelving in closets, pantries and the like to thereby eliminate the necessity of using tacks, thumb tacks or other metal attaching means which tend to detract from the appearance of the edging and are dangerous if they fall into dishes, cooking pots or pans and are undetected when food is introduced therein.

The present invention utilizes a sticker tape of cloth, paper or the like and both of the opposite faces of which are coated with an adhesive, preferably of the pressure type adapted to adhere to any article with which it is brought into contact under pressure. Many adhesives of this kind are commonly known to the public and a detailed description thereof is unnecessary, it being considered that the generic term "pressure adhesive" will cover any appropriate adhesive of this character.

In the preferred manner of practically carrying out this invention, I provide a relatively narrow sticker tape of the character described and enclose this tape within a protective envelope of paper, fabric or any other suitable material. This envelope is formed by folding or doubling a relatively wide web of such material upon itself to form two leaves of unequal width. The tape is positioned between the leaves and adhesively attaches itself to both of them in a position remote from the fold and in spaced relation to the free longitudinal edges of said leaves, whereby the margins of the leaves are left unattached to permit them to be grasped without bringing the fingers into contact with the adhesive. I then transversely slit the assembly from the free edges of the leaves to points beyond the sticker tape but short of the fold, so as to sever the sticker tape into predetermined lengths and divide it into a series of aligned sections. By slitting or otherwise transversely weakening the assembly as described, successive longitudinal sections thereof may be conveniently torn off and used in a manner hereinafter explained in detail.

One or both faces of the assembly may be printed or otherwise delineated for advertising purposes.

Features of the invention, as well as other ways

in which the same may be carried out, will be hereinafter more fully described in the following detailed description.

The accompanying drawings illustrate different practical embodiments of the invention, but the constructions therein shown are to be understood as illustrative, only, and not as defining the limits of the invention.

Figures 1, 2 and 3 are perspective views showing successive steps in making an adhesive strip embodying the present invention.

Figure 4 shows one of the units separated from the finished strip and partially stripped to render it ready for use.

Figure 5 is a perspective view showing the manner of employing the present invention in attaching a shelf edging to a shelf.

Figure 6 is a fragmental perspective showing a modified form of the invention.

Figures 7 and 8 show modified forms of the invention.

Figure 9 shows a detachable unit of the structure of Figure 8.

Figure 10 shows a shelf with dual sticker tape sections according to Figure 8 or 9.

Referring first to Figures 1-5 of the drawings, 1 indicates a sticker tape of any suitable material, such as fabric, paper, or any other suitable body material, both faces of which are coated with a pressure adhesive. This sticker tape is fed into contact with a web 2 of paper, fabric, parchment or any other suitable and readily tearable sheet material in such manner that the tape becomes adhesively secured thereto in parallel but spaced relation to the edge 3 of the web. The web is thereupon folded over or doubled upon itself along the line 4 and the thus folded leaf is brought into face abutting relation with the tape 1 and becomes adhesively secured thereto. The two leaves of the web are preferably of unequal width so that the edge 5 projects beyond the edge 3 to permit these edges to be more readily separated.

After the parts have been assembled as stated, the assembly is slit or otherwise weakened as by longitudinally spaced apart cuts 6, extending from the free edges 3 and 5 to a point beyond the remote edge of the tape 1, so as to sever said tape and an appreciable portion of the width of the protective strip. Either before or after slitting one or both of the exterior faces of the leaves of the protective web may be printed with appropriate advertising matter.

The protective web 2 should be made of material which will satisfactorily adhere to the

sticker tape with sufficient tenacity to maintain the assembly until it is desired to strip the web from the tape, but to then permit of the ready separation of these parts. Furthermore, when the assembly is slit as stated, the material utilized in the protective strip should be such that it may be readily torn, by virtue of which it is possible to tear off successive units as indicated at *u* in Figure 3. The assembly thus embodies a succession of these units, united beyond the ends of the slits 6 along the fold edge, and these various units may be successively torn off for consecutive use.

The manner of employing the units *u* will be apparent from Figures 4 and 5. In Figure 4 one of the units is shown as removed from the assembly with one edge portion of one of the protective leaves partially stripped or removed from the sticker tape section. By continuing to strip said leaf from the sticker tape section, one adhesive face of the latter will be exposed or uncovered and may be conveniently brought in adhesive engagement with the front edge of a shelf *s* as shown at the left in Figure 5. After being thus engaged with a shelf, the other leaf of the protective web is stripped from the adhesive sticker tape section, as shown at the center in Figure 5, and may thus be removed, leaving the sticker tape section *l* in place on the front edge of the shelf. After an appropriate number of these sections of the sticker tape have been attached to the shelf as stated, a length of shelf edging, indicated at *e*, may be applied to the shelf by pressing it against the tape sections *l*, whereby it is held in place on the shelf without the use of tacks or other metal fastening means.

In the foregoing description of the preferred form of the invention, the sticker tape *l* is made continuous and separated by the slits 6 into readily separable sections. In the construction of Figure 6, however, a plurality of aligned separated sections 7 of sticker tape are positioned between the leaves of a protective web with lines of perforations 8 to permit consecutive units to be torn off. If the sticker tape is readily tearable or separable, the sections 7 may be made continuous in the structure of Figure 6 and the perforations may pass therethrough to facilitate the simultaneous tearing of both the tape and the protective web. These and other modifications of the invention will be readily apparent to those skilled in the art and are within the present invention.

In the structures which I have thus far described, the protective web is folded upon itself or doubled to provide two leaves which enclose between them a single sticker tape or row of sticker tape sections. The present invention is preferably made in either of these ways because of convenience in manufacture. However, instead of employing a single sticker tape a plurality of such tapes may be used and they may be each made relatively wide or relatively narrow depending upon conditions. Thus in Figure 7 the protective web 2 is made as heretofore, but between the leaves of said web are two parallel sticker tapes *1a* and *1b*, the assembly being transversely weakened by slits 6 as hereinbefore described. The article shown in Figure 7 is employed in the same manner as the structure shown in the previous figures, except that when applied to a shelf *s*, as shown in Figure 10, a pair of or dual sticker tape sections *1a* and *1b* are simultaneously applied to the shelf in spaced apart relation. I find this arrangement highly satisfactory for attaching paper such as shelf paper or shelf edging to

a shelf because the dual attachment permits the paper to readily adapt itself without strain or stress and even though the paper may be inadvertently stripped free from one of the sticker tape sections, the other will still tightly hold the paper in place.

In the structure of Figure 8, the sticker tapes are shown as positioned substantially midway between the edges of the assembly and this is preferred when the separate protective sheets are employed, and even when a single sticker tape is used. However, I do not limit the invention in this connection for, if desired, one or more sticker tapes can be located anywhere transversely of the protective sheets and one of said tapes may be positioned directly adjacent to or at one longitudinal edge of one or both of said sheets, so long as two longitudinal adjacent edges of such sheets extend beyond an adjacent sticker tape to permit these sheets to be readily stripped from the tape or tapes without the fingers of the hand coming in contact with the adhesive on said tapes. The invention is to be understood as sufficiently comprehensive to include these features.

Moreover, instead of making the protective covering of the sticker tape sections in the form of a folded web, I may employ separate webs, such as shown in Figure 8, these webs being here designated as 2*a* and 2*b* and they may be staggered or not as desired and may be employed to enclose either a single sticker tape or a plurality of such tapes. In any event, the assembly is transversely weakened by slits 6 or otherwise, so as to permit the units to be torn off for use as desired.

Figure 9 shows one of the units torn from the assembly of Figure 8 with one of the protective sheets partially stripped free. In use the structure of Figures 8 and 9 results in the application of dual sticker tape sections as illustrated in Figure 10.

I wish it understood that these modified forms of the invention may be made in any suitable materials adapted for the purposes hereinbefore described.

It should be noted that the sticker tape is coated preferably throughout its entire extent with an adhesive material and that the leaves of the protective web are provided with extending free edges which permit them to be readily grasped and removed from the tape so that at no time need the fingers of the operator touch said tape, as will be apparent from the foregoing description.

The structure is economical to manufacture. It may be made in indeterminate lengths by automatic machinery and cut off in pieces appropriate to the requirements of the trade. It is thoroughly efficient in use and the independent units when separated are of convenient size to be readily handled and yet provide satisfactory adhesive anchorage for a wide field of usage.

The foregoing specification sets forth the invention in its preferred practical forms, but the invention is to be understood as fully commensurate with the appended claims.

Having thus fully described the invention, what I claim as new and desire to secure by Letters Patent is:

1. An assembly of the character described comprising a sticker tape having an adhesive on both of its opposite faces, a protective sheet folded upon itself to form two opposing leaves respectively engaging with the opposite faces of the tape and detachably adhesively secured thereto with the free marginal edges of said leaves ex-

tending beyond the tape and free from engagement therewith.

2. An assembly of the character described comprising a sticker tape having an adhesive on both of its opposite faces, a protective sheet folded upon itself to form two opposing leaves of different widths respectively engaging with the opposite faces of the tape and detachably adhesively secured thereto with the free marginal edges of said leaves extending beyond the tape and free from engagement therewith.

3. An assembly of the character described comprising a sticker tape, both opposite faces of which are provided with an adhesive, a web of protective material folded transversely to form two opposing leaves adhesively engaging the opposite faces of the sticker tape which is positioned in spaced relation to the free edges of said leaves to furnish free marginal portions to facilitate stripping of the leaves from the tape, said assembly being transversely weakened at spaced apart distances longitudinally thereof to permit sections of the length to be successively torn off.

4. An assembly of the character described comprising a sticker tape, both opposite faces of which are provided with an adhesive, a web of protective material folded transversely to form two opposing leaves adhesively engaging the opposite faces of the sticker tape which is positioned in spaced relation to the free edges of said leaves to furnish free marginal portions to facilitate stripping of the leaves from the tape, said assembly being provided with slits spaced longitudinally of the assembly and extending from the free edges of the leaves toward the fold and terminating between the fold and the contiguous edges of the sticker tape to provide a succession of readily detachable units united to one another along the fold edge of the assembly.

5. An assembly of the character described comprising a sticker tape, both opposite faces of which are provided with an adhesive, a web of protective material folded transversely to form two opposing leaves adhesively engaging the opposite faces of the sticker tape which is positioned in spaced relation to the free edges of said leaves to furnish free marginal portions to facilitate stripping of the leaves from the tape, said assembly being provided with slits spaced longitudinally of the assembly and extending from the free edges of the leaves toward the fold and terminating short of the fold edge to leave an uncut marginal portion for advertising matter.

6. An assembly of the character described comprising a sticker tape, both opposite faces of which are provided with an adhesive, a web of protective material folded transversely to form

two opposing leaves adhesively engaging the opposite faces of the sticker tape which is positioned in spaced relation to the free edges of said leaves to furnish free marginal portions to facilitate stripping of the leaves from the tape, said assembly being transversely perforated at spaced distances longitudinally thereof to provide a succession of readily detachable units normally united to one another.

7. An assembly of the character described comprising a protective web folded upon itself to form substantially face abutting leaves, a succession of adhesive tape sections arranged in line between the leaves and adhesively secured to both of them with the tape sections spaced from the fold and from the free edges of the leaves.

8. An assembly of the character described comprising a protective web folded upon itself to form substantially face abutting leaves, a succession of adhesive tape sections arranged in line between the leaves and adhesively secured to both of them with the tape sections spaced from the fold and from the free edges of the leaves, the assembly being transversely weakened between the successive sections of the sticker tape to permit such successive parts of the length of the assembly to be consecutively torn off.

9. An assembly of the character described comprising at least one sticker tape having adhesive material completely covering both of its opposite faces, and readily removable protective sheet material of greater area than and overlying both of said opposite faces of the sticker tape and adhesively secured thereto by said adhesive material, with free marginal edges of the protective sheet material extending beyond the tape and free from engagement therewith to permit the protective sheet material to be grasped and stripped from both faces of the sticker tape.

10. An assembly of the character described comprising aligned sticker tapes arranged in spaced apart relation in a common plane and both faces of which sticker tapes are provided with an adhesive, protective sheet material of greater area than and detachably adhesively engaging the opposite faces of the sticker tapes with longitudinal edges of said protective material extending beyond the adjacent edges of said tapes and free from engagement with the tapes to furnish free, marginal portions to facilitate the stripping of the sheet material from the tapes, said protective sheet material being transversely weakened between the successive sticker tapes to permit sections of the assembly to be successively torn away.

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