

Patented Nov. 4, 1919.

1,320,692.

Fig. 1.

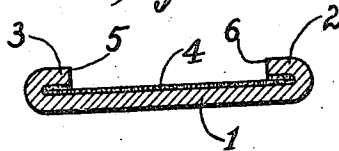


Fig. 2.

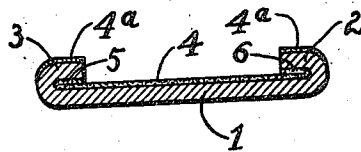


Fig. 3.

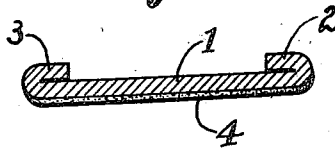


Fig. 4.

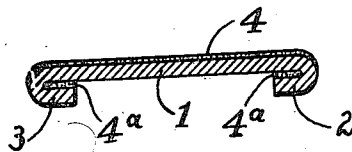
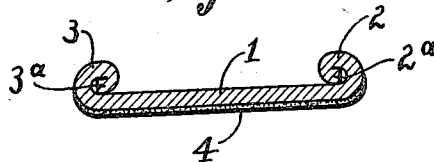


Fig. 5.



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UNITED STATES PATENT OFFICE.

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STAY-STRIP.

Patented Nov. 4, 1919.

Specification of Letters Patent.

1,320,692.

Application filed November 12, 1918. Serial No. 262,134.

To all whom it may concern:

Be it known that I, WILLIAM H. HULSE, a citizen of the United States, and a resident of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Stay-Strips, of which the following is a specification.

This invention relates to stay-strips, and has for its object to provide a strip of the class specified which may be made of low grade material, and yet, by its peculiar construction, be as strong and serviceable as the usual stay-strip made of higher grade material.

My improvements comprise features illustrated in their preferred embodiment in the drawings accompanying this specification, wherein:—

Figure 1 is a cross sectional elevation of my improved strip. Figs. 2 to 5, inclusive, are views similar to that of Fig. 1 and showing several modifications of my improvements. All of the figures of the drawing are to one scale but that scale is greatly exaggerated over actual size, to clearly illustrate the features of my improvements.

In the making of stay-strips of fabric or paper, it is customary to feed a continuous web of considerable width over a gum bath and, by suitable means, to apply the gum to one face of said web. Then after drying, the web may be slitted into a plurality of strips which may then be rolled up ready for use.

In the form of my improved stay-strip shown in Fig. 1, I take the strip 1, made as described, having dried gum 4 on one face thereof, dampen the lengthwise edges 5, 6 of the gummed surface, and fold over the lengthwise edges 2, 3 of the strip onto the body portion of the strip and onto the dampened edges of the gummed surface. Then by pressing said edges down onto the body portion, those edges are caused to adhere to said body portion, thus providing a folded edge, gummed down on each edge of the strip, thereby greatly adding to the strength of the strip and reinforcing the edges thereof against abrasion and tearing.

In the modification of Fig. 2, I have added gum 4^a to the outer faces of the folded over edges 2, 3 of the strip, so that when said strip is dampened and applied to a package or carton, said gum portions 4^a are efficient to secure edges 2, 3 securely in place.

In some cases I find that it is sufficient to fold edges 2, 3 onto body 1 without gumming them there, see Fig. 3, and then to apply gum 4 to that face of the strip opposite the face onto which the edges are folded. This is a more economical construction than that of either Fig. 1 or Fig. 2, as less gum is used.

In Fig. 4 is shown the construction of Fig. 3 but with the addition of one thickness of gum introduced between the body portion 1 and the folded over edges 2, 3.

In Fig. 5, edges 2, 3, in addition to being folded over onto the body as in the earlier figures, have the extremities 2^a, 3^a of those edges respectively, turned under against said body, thereby forming bead-like edges.

By my improvements, a paper or fabric of considerably lower grade or thickness or both, than usual, may be employed, and still provide a stay-strip of equal or greater strength and dependability than heretofore.

I claim:

1. A stay-strip including in combination a strip of paper having its lengthwise edges folded over onto the body portion of the strip and having gum on one face of said strip.

2. A stay-strip including in combination a strip of paper gummed on one face and having its lengthwise edges folded over and secured to the gummed face of the strip by the gum thereon.

3. A stay-strip including in combination a strip of paper gummed on one face and having its lengthwise edges folded over and secured to the gummed face of the strip by the gum thereon, said folded over edges being also gummed on their outer faces respectively.

In witness whereof, I hereby affix my signature this 11th day of November, 1918.

WILLIAM H. HULSE.