Feb. 2, 1932. F. J. KLINE 1,843,771

BINDING STRIP

Filed Oct. 8, 1930

Fig. 1,

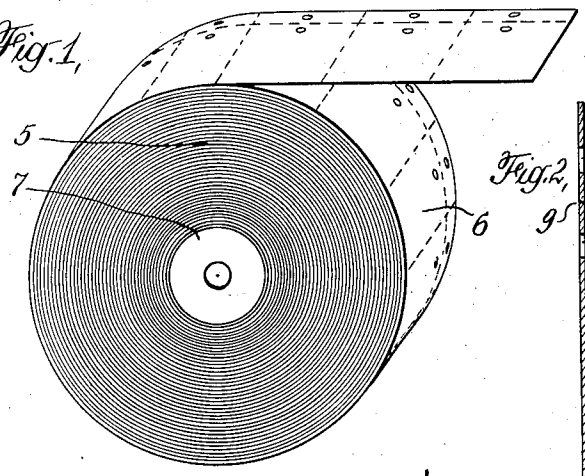


Fig. 2,

Fig. 3,

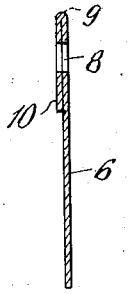


Fig. 4,

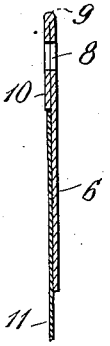


Fig. 5,

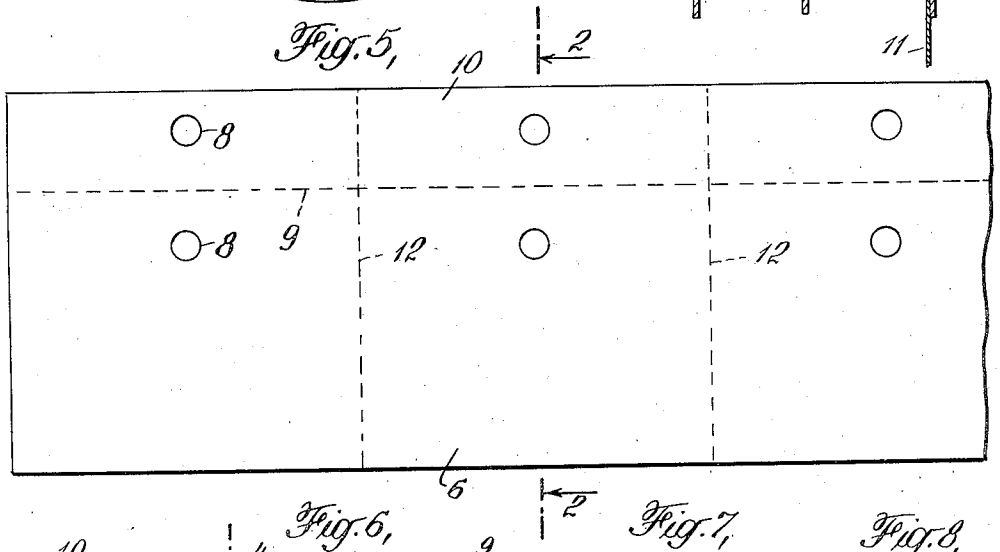


Fig. 6,

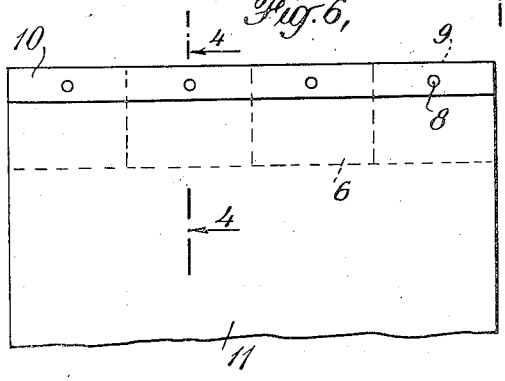


Fig. 7,

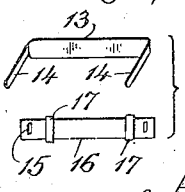
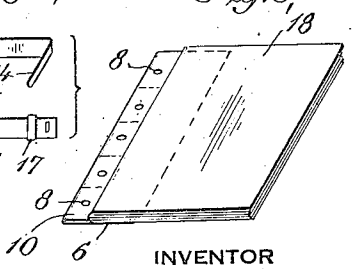


Fig. 8,



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Patented Feb. 2, 1932 1,843,771

UNITED STATES PATENT OFFICE

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BINDING STRIP

Application filed October 8, 1930. Serial No. 487,239.

This invention relates to binding strips and particularly to a prepared strip which is adapted for various useful applications.

Among other uses of the prepared strip, it is applicable especially to the preparation of sheets such as drawings, blueprints and the like, for binding. Often such sheets do not have sufficient margin for perforation and binding with the usual types of fasteners. Or the material of the sheets may be flimsy or torn at the edges. The strip as hereinafter described can be applied readily to such sheets to afford a strong binding edge. For example, the binding of blueprints before suspension in vertical files is facilitated by the use of the invention. Similarly pamphlets, catalogs, etc., may be provided with a strong binding margin.

It is the object of the invention to provide a simple and satisfactory binding strip which can be attached readily to the edge of the sheet to afford a firm margin which is adapted to receive suitable fastening devices.

Another object of the invention is to provide a binding strip which is perforated and scored to facilitate the application and use thereof.

Other objects and advantages of the invention will be apparent as it is better understood by reference to the following specification and the accompanying drawings, in which

Fig. 1 is a view in perspective of the preferred form of the strip rolled to facilitate handling and use;

Fig. 2 is a section on the line 2—2 of Fig. 5;

Fig. 3 is a sectional view of the strip with the edge folded;

Fig. 4 is a section on the line 4—4 of Fig. 6;

Fig. 5 is a plan view of a portion of the strip;

Fig. 6 is a plan view of the strip showing its application to the sheet;

Fig. 7 is a view in perspective illustrating a fastening device which may be used with the strip, and

Fig. 8 is a perspective view illustrating the application of the strip to a pamphlet or catalog.

In carrying out the invention, I employ a strip of any suitable material such as paper or woven fabric, although I prefer a tough craft paper. The strip is gummed on one side and is provided with pairs of openings or perforations spaced longitudinally of the strip, the openings of each pair being spaced transversely of the strip and being nearer to one edge than to the other. The strip as thus prepared is adapted to be folded between the openings of each pair so that the openings are brought into register with the gummed surfaces in contact. By moistening the gum the folded portion can be secured, thus forming a tough binding edge. The remaining portion of the strip is adapted to be secured to a sheet, pamphlet, etc., by moistening the gum, and when so attached the strip forms a tough margin so that the sheet or the like can be bound, for example, by employing fasteners such as those illustrated in Fig. 7.

To facilitate the folding of the edge of the strip to bring the openings into register, I prefer to score the strip longitudinally midway between the openings of each pair. It is also advantageous to score the strip transversely midway between each pair of openings, to facilitate separation or severance of sections of the strip in lengths suitable to accommodate it to the sheets to which the strips are to be applied.

Referring to the drawings, 5 indicates a roll prepared by winding the strip 6 on a card or spool 7 for convenience in handling and use. The strip 6, as shown in Fig. 5, is provided with pairs of openings or perforations 8, the pairs being spaced longitudinally of the strip while the openings of each pair are spaced transversely of the strip. A score line 9 is indicated midway between the openings 8 and extending longitudinally of the strip to facilitate folding of the margin 10, as indicated in Fig. 3, to bring the transversely spaced openings 8 of each pair into register. When the gum on the surface of the strip is moistened and the margin is folded, a binding edge of double thickness is provided. The gummed surface of the remainder of the strip may be moistened, and a sheet 11 may be secured thereto as indicated in Fig. 4.

The sheets to which the strips are applied

vary in length, and to facilitate the application of the strip I prefer to provide transverse score lines 12 as indicated in Fig. 5 midway between the pairs of openings 8. The strip may be torn easily at these score lines to sever sections of the strip of the desired length.

Any suitable fasteners may be used in binding the sheets to which the strip has been secured, but I prefer fasteners such as those illustrated in Fig. 7, comprising a metal base 13 with prongs 14 which are adapted to pass through the openings 8 and to engage openings 15 in a keeper 16 having slides 17 to hold the ends of the prongs 14 when the latter are bent over the keeper. To facilitate use of the binding strip in connection with such fasteners, the longitudinal spacing of the pairs of openings 8 is such as to permit the introduction of the prongs 14 through such openings. The spacing may, however, be varied, and of course the length of the fasteners may be modified to meet any particular requirement.

In Fig. 8 of the drawings, I have illustrated an application of the invention in which a pamphlet 18 composed of a plurality of sheets is secured by means of the adhesive to a section of the strip 6 having the margin 10 folded with the openings 8 in register. This affords a simple and effective method of binding pamphlets and the like of any dimensions. A number of such pamphlets may be secured together by applying sections of the strip 6 thereto and employing a fastener such as that illustrated in Fig. 7.

The invention as described provides a simple and effective binding strip, the utility and advantages of which will be apparent. The details of structure as described may be modified without departing from the invention or sacrificing any of the advantages thereof.

I claim:

In a device of the character described, a strap of flexible material gummed on one side and having a plurality of pairs of openings spaced longitudinally of the strip, the openings of each pair being spaced transversely of the strip and the pairs being located closer to one edge of the strip than the other, the margin of the strip on that side which the pairs of openings are nearest being weakened along a line midway between the openings of each pair whereby when the strip is folded along said line such openings are brought into registry and one side of the strip extends beyond the other and forms a support for an article to be attached thereto, said strip being weakened along lines extending transversely of the strip so that said strip may be readily severed into strips of shorter length.

In testimony whereof I affix my signature.

FRED J. KLINE.