

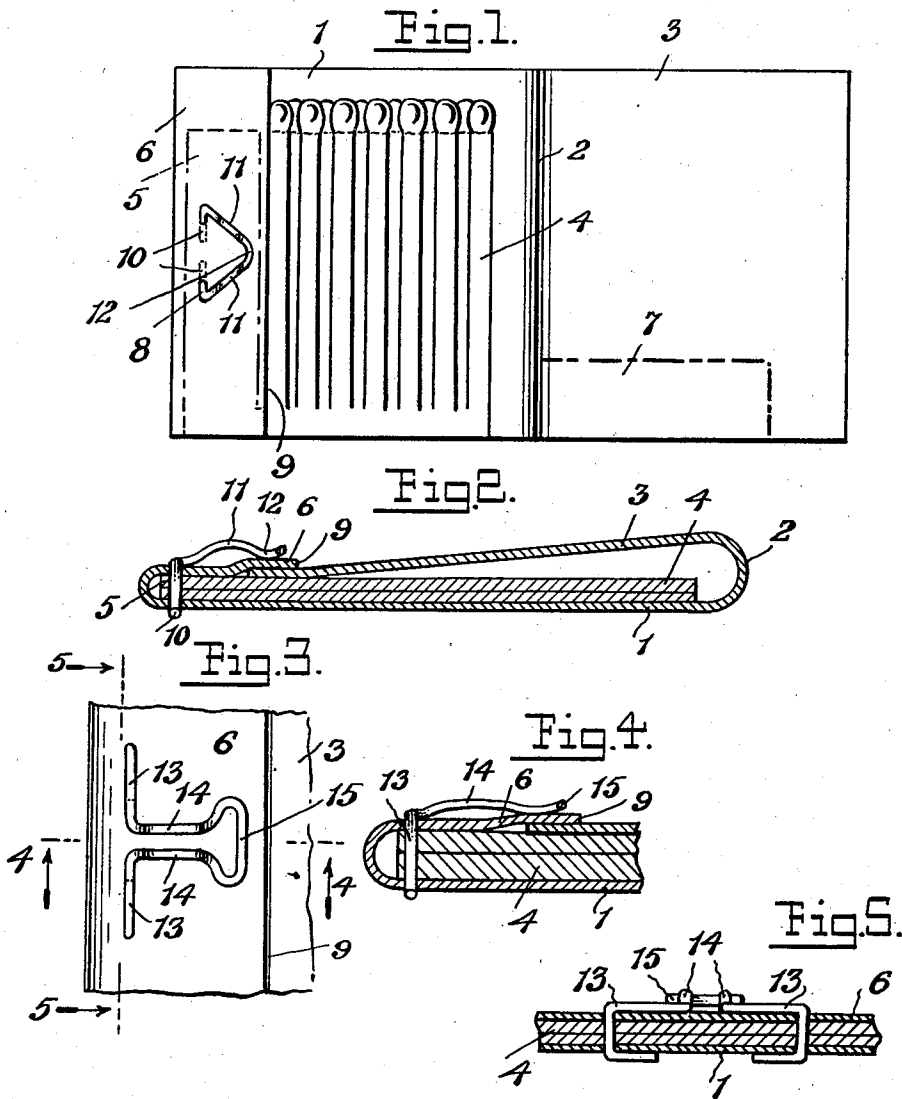
March 29, 1932.

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1,851,042

MATCH PACKAGE

Filed Sept. 3, 1930



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UNITED STATES PATENT OFFICE

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MATCH PACKAGE

Application filed September 3, 1930. Serial No. 479,452.

This invention relates to an improvement in paper match packages or match books. It has for its object to provide such an article which will be rendered safer by reason of improved means for retaining the cover flap in closed position. It is well known that accidents have been caused by paper match books opening in the pocket and the matches set aflame by being brought into frictional contact by other articles carried in the pocket.

The object of this invention is to provide a match package which will be formed with a retaining means for holding the cover in a closed position so that an inadvertent opening of the cover is prevented. I attain the desired result without materially adding to the cost of the package which is an important consideration in match book construction.

With these objects and such other objects as may hereinafter appear, in view, I have devised the arrangement of parts set forth below and more particularly pointed out in the claim appended hereto.

Reference is to be had to the accompanying drawings, forming a part hereof in which

Figure 1 is a plan view of a match package made in accordance with my invention, the cover flap thereof being in open position;

Figure 2 is a longitudinal sectional view of the package with the cover in closed position;

Figure 3 is a plan view of a modified form of flap-retaining staple;

Figure 4 is a sectional view on the line 4—4 of Figure 3, looking in the direction of the arrows; and

Figure 5 is a sectional view on the line 5—5 of Figure 3, looking in the direction of the arrows.

Throughout the various views of the drawings, similar reference characters designate similar parts.

In the embodiment of my invention disclosed in the accompanying drawings, I have disclosed a match book of an improved type forming the subject matter of a separate application for patent. I shall therefore limit this application to the means for frictionally holding the cover in closed position, it being understood that such means may be applied to the novel form of match book disclosed

or to any of the well known or prior forms of match book.

In the drawings, 1 indicates a strip of cardboard forming the enclosing member. The same is transversely folded as at 2 to provide a cover flap 3. At the opposite end, the strip is provided with a short inturned flap 6 which acts to retain the match strip 4 in position. The match strip 4 is provided with a projecting wing 5 that extends underneath the inturned strip 6 of the cover member. The staple passes through the strip 6, through the wing 5 and through the body portion 1 where it is clenched over, thus retaining the match strip securely within the cover member. The peculiar formation of the staple just mentioned forms the subject matter of this invention.

In the embodiment of the invention disclosed in Figures 1 and 2, it will be seen that the staple is of substantially triangular formation. The same is provided with the two legs 10 which pass through the thicknesses of paper 6, 4 and 1 and are clenched over to hold these thicknesses of material together. Extending from the legs 10 on the staple are the converging resilient arms 11 which connect together at a point located adjacent to the inner edge 9 of the retaining flap 6. These arms, at their point of joinder, indicated at 12 in Figure 2, bear with resilient pressure upon the inturned flap 6 so that when the end of the cover flap 3 is tucked beneath the flap 6, said flap 6 will be caused to exert considerable pressure upon the end of the cover flap 3 that is inserted beneath it, thus preventing the cover flap from being easily dislodged from its closed position, which is shown in Figure 2.

It will be seen that from the construction described, the forwardly projected part of the staple 11 bears with resilient pressure upon the retaining flap 6 adjacent its free end thus causing said flap to bear with considerable friction upon the cover flap.

In Figures 3 and 4, a modified construction is shown wherein a differently shaped staple is utilized. Here the staple has a pair of spaced arms 13 that extend downwardly through the flap 6, the wing 5 and body por-

tion 1 and are clenched on the underside of the body portion 1.

Portions 14 extend at right angles from the arms 13 and project over the face of the strip 6 toward its free edge 9 where the two arms 14 are connected by an enlarged loop 15. This loop bears with spring pressure upon the face of the flap 6 adjacent its edge so that when the cover 3 is inserted beneath the same, it will be yieldingly retained in position by the flap 6 from whence it cannot be inadvertently dislodged.

I have herein shown several forms of retaining staples which act not only to hold the parts of the match package together, but which also act to retain the cover in closed position and prevent the same from being inadvertently opened while carried in the pocket.

It will be apparent that staples of this kind, acting to not only unite the parts but to act as a locking or retaining means for the cover may be made in numerous forms without departing from the spirit of this invention.

What I claim is:—

A match package provided with a covering having a cover flap at one end and an in-turned retaining flap at the other, a match strip held under said retaining flap, a staple for securing said match strip to the retaining flap, said staple having a part extended forwardly toward the edge of the retaining flap, said extended part on said staple adapted to apply resilient pressure on the face of the retaining flap adjacent the edge of said flap to amplify the pressure of said retaining flap upon the end of the cover flap tucked beneath it.

Signed at the city, county and State of New York, this 2nd day of September, 1930.

BENJAMIN H. FREEDMAN.