Sept. 14, 1943. J. P. GITS 2,329,175

PLASTIC MATCH HOLDER

Filed June 21, 1941

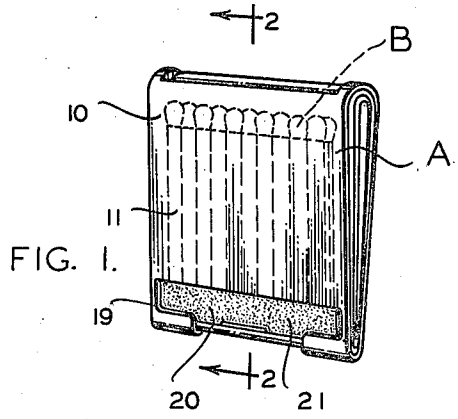


FIG. 1.

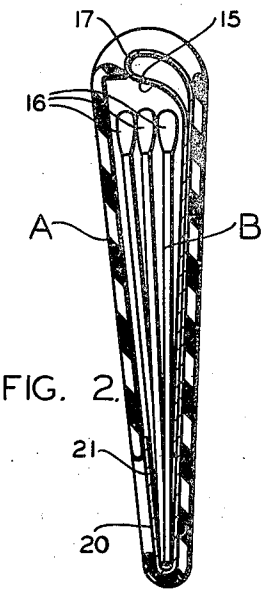


FIG. 2.

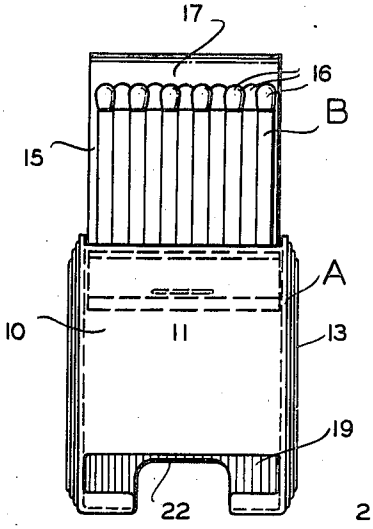


FIG. 4.

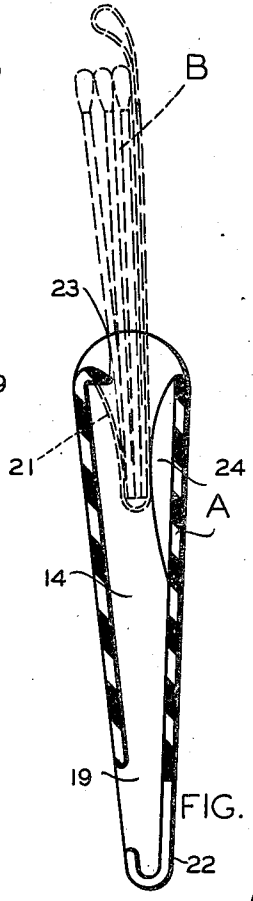


FIG. 3.

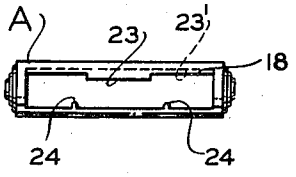


FIG. 6.

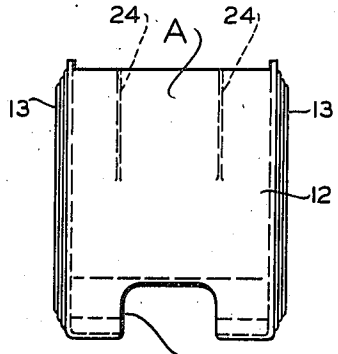


FIG. 5.

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PLASTIC MATCH HOLDER

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Application June 21, 1941, Serial No. 399,117

3 Claims. (Cl. 206—33)

My invention relates to a cover or container for receiving a package of paper or book matches. A primary feature resides in providing a cover made of plastic, either transparent or translucent, or in various colors, where the plastic material is opaque, so as to provide an attractive package for receiving the book matches and supporting the same in a safe, convenient manner.

A feature of my plastic match holder resides in forming the holder of a single piece of plastic material and the method of making the same by injection molding. In forming my holder for book matches it is desirable that the same be attractive in appearance, and therefore any suitable design may be employed, and that the holder be of a simple character so that the same may be made economically.

A further feature resides in providing a holder for book matches which permits the package of book matches to be readily slipped into the holder after the cover flap has been folded in back of the heads of the matches, so that when the book matches are slipped into my plastic holder, the heads of the matches may be visible through the transparent or translucent or colored wall of the holder to indicate the number of matches that remain in the package and yet providing a cover means for enclosing the matches so that the package may be carried in one's pocket without exposing the heads of the matches out of the holder.

My holder for book matches includes a one-piece plastic molded cover having a wedge-shaped recess which is adapted to receive the package of book matches through a suitable opening in one end of the holder while the folded cover acts to close the opening through which the matches are inserted in the holder, thus enclosing the match heads and sticks supporting the same within the holder to fully protect the matches.

I also provide a holder for book paper matches having an opening which exposes the striking surface on the book maches when the matches are virtually wholly within the holder and the heads of the matches are covered by the same, thereby providing a safety holder, permitting the matches to be ignited only when the remaining matches in the package are protected within the holder itself. Thus I provide a simple holder for book matches having a very desirable safety feature so as to prevent the user of the same from being burned while striking a match which has been removed from the package.

It is also a feature of my holder to provide means whereby after the package of paper matches has been prepared to be inserted into my holder by folding back the cover behind the matches in the pack and inserting the same in my holder, I provide means for retarding the movement of the package so that when it is desired to remove a match from the package, it is only necessary to press against the lower end of the same through a slot which I have formed in my holder and the shoulder means in the holder will prevent the package of matches from being entirely removed, but will permit the package to be raised in the holder sufficiently to remove a match from the package. After the desired match is removed from the package, the pack of matches is slipped back into the holder, causing the striking surface on the same to register with the opening in my holder and at the same time covering and protecting the heads of the matches remaining in the package.

These features, together with other details and objects of my invention will be more fully and clearly hereinafter set forth.

In the drawing forming a part of my specification:

Figure 1 illustrates a perspective view of my holder for book paper matches, showing the holder as it would appear in use.

Figure 2 illustrates a section on the line 2—2 of Figure 1, showing the position of the package of matches in my holder.

Figure 3 is a similar section to Figure 2, illustrating in dotted outline the book matches raised in position to permit the removal of a match and showing the manner in which the shoulder means in the holder automatically stops the outward movement of the pack of matches.

Figure 4 is a front elevation of my holder, showing the pack of matches raised so that a match may be removed from the pack.

Figure 5 is a back view of my holder.

Figure 6 is a top view looking into my holder.

My holder A for book matches is preferably made of plastic material, the body 10 of the holder being formed by the injection molding method, the body 10 of the holder being formed in a single piece of material. The body 10 is formed with a front wall 11 and a rear wall 12 which are integrally connected together by the side portions 13.

The body 10 is formed hollow with a wedge-shaped chamber 14 of a character and form to receive a pack of book matches B and protect the same within the holder A as illustrated in Figures 1 and 2.

When it is desired to insert a pack of matches B into my holder A, it is desirable to fold the front cover sheet 15 of the book matches in back of the matches 16, leaving the upper folded portion 17 projecting above the heads of the matches 16, as illustrated in Figure 2. The holder A is provided with an opening 18 across the top or enlarged end of the same which is adapted to receive the pack of matches B so that they may be easily inserted into the compartment 14. When the pack of matches is fully inserted within the holder A the folded end 17 of the cover sheet 15 is adapted to close the opening 18 as illustrated in Figure 2. Thus the heads of the matches 16 are covered from the top end of the holder A.

The front wall 11 of the holder A is formed with a transverse opening 19 which is adapted to provide an open portion in the holder which will register with the striking surface 20 formed on the flap 21 of the package of matches B. When the pack of matches B is fully inserted within the holder A, the striking surface 20 registers with the opening 19 and a match 16 may be ignited on the surface 20.

My holder A provides a safety feature which is desirable for book matches in that before a match 16 can be ignited on the surface 20, it is necessary to push the pack of matches back into the holder A from the position shown in dotted outline in Figure 3 and in full lines in Figure 4, to the position illustrated in Figures 1 and 2. In the position of the pack of matches shown in Figures 1 and 2, the heads of the matches 16 are fully covered and protected within the holder A so that no sparks from the igniting match struck on the surface 20 will ignite the remaining matches in the pack. Thus by using my holder A it is not necessary to be concerned about covering the heads of the matches with the cover sheet 15, but rather this cover sheet may be folded back so as to expose the heads of the matches through the transparent wall 11 of the holder A, thus making an attractive package as well as showing the user of my package just how many matches are left in the pack B.

I provide a notch or recess 22 in the lower end of my holder A to facilitate the engagement of the lower end of the pack B of matches so as to start the pack out of the holder A when it is desired to remove a match from the same. The folded end 17 also provides a tab-like portion which may be engaged when the matches have been raised in the holder A so as to permit the pack B to be pulled up sufficiently so that a match can be removed readily from the same.

Further, I provide a shoulder 23 extending along a portion of the opening 18 which is adapted to provide a stop means for engaging the upper edge of the flap 21 to retard and prevent the accidental removal of the pack B of matches when it is desired to raise the pack just a sufficient amount to permit the removal of a match. The shoulder 23 acts to automatically stop the entire removal of the pack B. When all of the matches 16 in the pack B have been removed, the size of the pack B has been reduced, and by a sufficient pull on the folded end 17, the whole book may be removed and a new book of matches B may be inserted in the holder as hereinbefore stated. I also provide ribs 24 which tend to force the lower end of the pack of matches B toward the shoulder 23, causing the engagement of the flap 21 by the shoulder 23. My holder may be made with or without the ribs 24 and I have only illustrated these ribs in Figures 5 and 6.

A further feature of my invention resides in the method of molding my holder for book matches from a single piece, or in an integral formation of plastic or other similar material. I accomplish my method by providing a suitable mold, not shown in the drawing, in which the plastic material in a molded state is injected with a core member extending in the mold so as to provide the wedge-shaped opening 14 which forms the opening in the holder A for the pack of book matches B.

In carrying out my method, after the body 10 of the holder A has been molded, the core is removed before the plastic material has completely hardened or set, which permits the core to be removed by springing the shoulder 23 sufficiently to permit the core to be readily removed, and after the core is removed the shoulder 23 springs back into normal molded position. I also provide a very slight transverse shoulder 23' in line with the shoulder 23, however, the shoulder portion 23 extends a sufficient amount into the opening 18 to provide the retarding means for engaging the flap 21 as herebefore described.

The simple, inexpensive integral formation of my holder A is carried out by my method of forming the same, which is accomplished on well known injection molding machines so that the holder A may be made economically and in a very attractive nature and formed of different plastic material, of varying colors if desired. It is desirable that the holder A be made transparent or translucent so as to show the matches remaining in the pack as well as to show the printed matter which usually appears on book matches, so that I am able to provide a one-piece book match holder which not only has the advantage of providing a safety means for containing a package of book matches, but provides a display so that the different colored heads of matches will attractively appear through the wall 11 of the holder A and the advertisement printed on the paper cover of the book matches B may also be clearly visible through the back wall 12. Furthermore, my holder may be made of any design so as to add to the attractiveness and appearance for a holder of this character.

I claim:

1. A holder for a package of paper matches, comprising a single piece body portion having a wedge-shaped recess for receiving paper matches, a longitudinal opening in the top of said body portion, a longitudinally extending shoulder means adjacent one edge of said opening, a second opening registering with the striking surface on the package of paper matches near the bottom end of said body portion, a rectangular slot in the bottom end of said body portion permitting engagement of the package of matches in the holder to start the same out of said recess, a pair of curved ribs in said recess opposite from said shoulder means, said ribs adapted to urge the package of matches toward said shoulder means so that said shoulder means may contact the upturned bottom of the match package to prevent the entire removal of the package from said recess.

2. A transparent holder for a package of paper matches, comprising a single piece of wedge-shaped material, a wedge-shaped recess in said holder, a longitudinally extending opening in the top of said holder, a longitudinally extending shoulder means adjacent one edge of said opening, a second opening registering with the striking surface of the package of paper matches near

the bottom end of said body portion, a rectangular slot providing a finger-engagement for the end of the paper matches to start the package of matches out of the holder, and a pair of rib means inside said wedge-shaped recess for urging the package of matches toward said longitudinally extending shoulder means to prevent the accidental entire removal of the package of matches from said wedge-shaped recess.

3. A match package holder, comprising a wedge-shaped transparent body portion having an opening in the top thereof for receiving a match package, a second opening near the bottom end of said holder adapted to expose the striking surface of the match package, a longitudinally extending shoulder means formed along one edge of said first-named opening, a pair of ribs projecting from the inside wall of said holder directly opposite from said longitudinally extending shoulder, a rectangular-shaped slot in the bottom of said holder adapted to permit the engagement of the bottom end of said match package to start the same upward and said ribs adapted to urge said match package to engage said longitudinally extending shoulder means to prevent the accidental removal of said match package from said holder.

JULES P. GITS.