July 15, 1941. R. A. PREMO 2,249,168

BOOK MATCH

Filed March 8, 1938

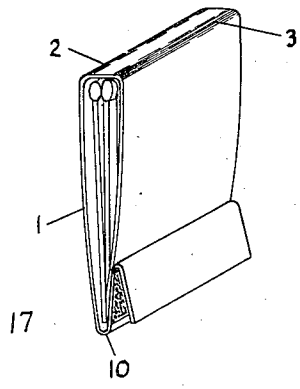


Fig II

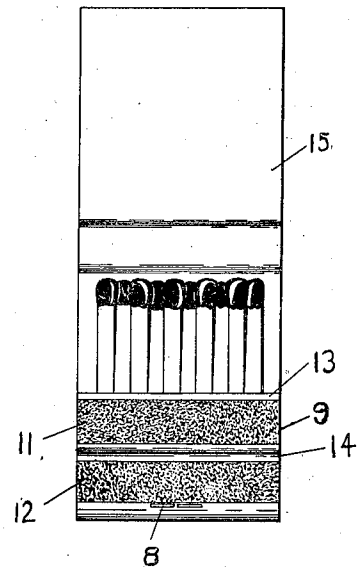


Fig I

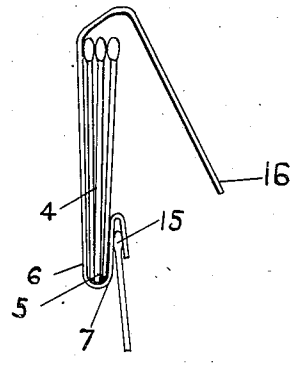


Fig III

INVENTOR
Ray A Premo
BY
ATTORNEY

Patented July 15, 1941

2,249,168

UNITED STATES PATENT OFFICE

2,249,168

BOOK MATCH

Ray A. Premo, Portland, Oreg.

Application March 8, 1938, Serial No. 194,571

2 Claims. (Cl. 206—29)

My improvement relates to book matches of the type that are to be carried in the pocket, or hand bag and that are to be lighted by pulling the treated end over an abrasive material. Heretofore in devices of this type the treated end of the match is drawn over an abrasive that is disposed upon a pad that is placed at the base end of the book of matches and between the end of the closure flap of the book and between the flap and the abrasive pad.

In my new and improved book of matches, I place an abrasive pad at the base end of the matches but I score the pad carrying the abrasive material between the ends of the pad in order that the treated end of the match may be drawn between the two abrasive surfaces to thereby provide at least double the friction that is normally supplied for lighting the match.

The primary object of my invention is to provide a book of matches that will be more effective for lighting the match.

A still further object of my invention is to provide a book of matches that will be safer to use.

A still further object of my invention is to provide a book of matches that will not be prohibitive in first cost and yet one that will be more efficient to use and less likely to burn the user and one that will give less hazard in its normal use to start fires.

With these and incidental objects in view, the invention consists in certain novel features of construction and combination of parts, the essential elements of which are set forth in the appended claims, and a preferred form of embodiment of which is hereinafter shown with reference to the drawing which accompanies and forms a part of this specification.

In the drawing:

Fig. I is an open face view of the book of matches, shown with the flap open and the scored portion of the sheet that carries the abrasive material in readiness to receive the head of the match therein.

Fig. II is an edge view of the book of matches showing the book closed and in readiness to be placed in the pocket opened for use.

Fig. III is an edge view of the book of matches showing the book open and the scored flap as having the head of a match disposed between the abrasive faces of the scored sheet.

Like reference characters refer to like parts throughout the several views.

I form the back 1 of my book of matches of a single piece and I fold the back between its ends as illustrated at 2 and 3 to compensate for the thickness of the book of matches and for the depth of the heads of the matches to thereby prevent the undue application of pressure to the heads of the matches.

I place a book of matches 4 and secure the base end 5 of the matches between the sides 6 and 7 of the back and secure the matches therein by any suitable fastening means through the use of one or more staples 8. It will be noted that the staple is placed relatively close to the based edge of the matches. A flap 9 is formed adjacent the fold 10 that encompasses the base end of the matches therein and I provide abrasive strips 11 and 12 upon the same side of the flap 9, and I score the flap between the folded portion 3 and the end 13 as illustrated at 14.

The scored portion is made relatively broad in order that the head 15 of the match to be lighted may be engaged between the abrasive covered portion 12 and 13 to thereby create friction upon the opposite faces of the match as the same is drawn between the two abrasive covered portions. It will also be noted that by placing the staple close to the base end of the matches both of the abrasive coverings extend beyond the staple to afford ease of insertion of the end 16 of the back thereunder.

The closure end 15 of the back is made sufficiently long to permit the end 16 being engaged between the back 17 of the abrasive covered portion 12 and the base end of the match to thereby securely lock the book of matches within the back independently of the abrasive covered portion of the back of the book of matches.

It will thus be seen that I have made the back, closure flap, and the abrasive covered tab of a single piece of material. This provides a book of matches that is relatively cheap to make and one that confines the spark from the lighted match being disposed entirely upon the outside of the book and sealed away from the head of the match when the closure flap 15 is in locked position as illustrated in Fig. II.

While the form of mechanism herein shown and described is admirably adapted to fulfill the objects primarily stated, it is to be understood that it is not intended to confine the invention to the embodiment herein shown and described, as it is susceptible of embodiment in various forms, all coming within the scope of the claims which follow.

What I claim is:

1. The combination in a book of matches, comprising, a plurality of matches arranged so as to be removed one at a time, a back for said

matches that is comprised of a single piece, with said back being folded twice between its ends, with one of said folds enclosing the head end of the matches and the other one of the folds enclosing the base end of the matches therebetween and arranged to enclose the matches when folded into enclosing position, with the base end of the book of matches being fixedly held in place by a staple, a flap terminating the base end of the back, said flap being scored midway its sides and an abrasive strip being disposed on the same side of the flap and at each side of the score so that a match head may be clasped between the folding ends for being struck while the remaining matches are enclosed between the remaining folded part of the back.

2. A match book comprising a comb of matches and a covering for the matches comprising a continuous strip of flexible sheet material, transversely folded to form it into a back, a front cover flap and a retaining flap behind which the lower end of the cover flap may be tucked to hold the said cover flap in closed position, a fastening element passing through a portion of the retaining flap, through the match comb and through the back to secure these elements together, the said retaining flap being of substantial length longitudinally of the match book and being transversely folded to form a downwardly extending freely pivotal flap portion hinged to that portion of the retaining flap that is secured down by said fastening element, said freely pivotal flap portion being of such size and shape as to overlie and substantially cover the outer face of said secured portion, the opposed faces of both of said flap portions being provided with complementary striking surfaces whereby a match may be sandwiched between the two striking surfaces for igniting same.

RAY A. PREMO.