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H. H. GRAY

2,055,721

MATCH PACKET

Filed June 12, 1933

FIG. 1.

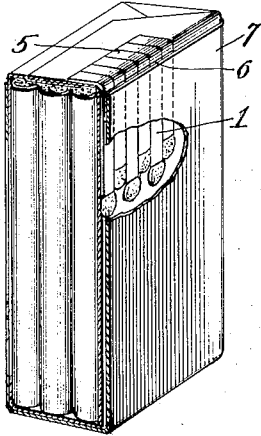


FIG. 2.

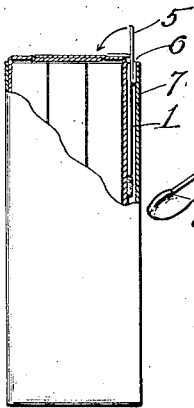


FIG. 3.

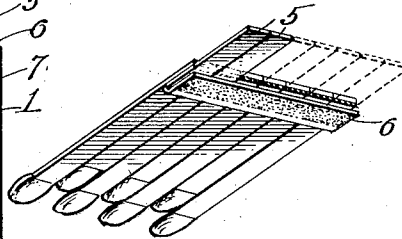


FIG. 4.

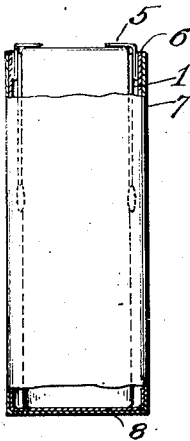


FIG. 5.

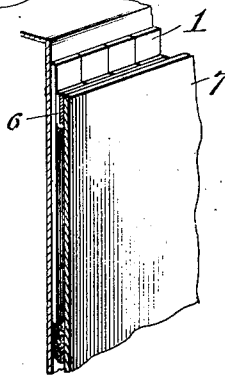


FIG. 6.

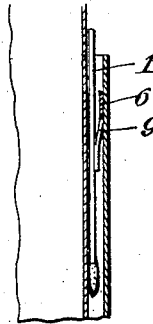
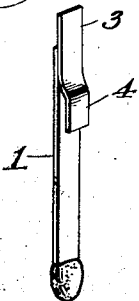


FIG. 7.



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# UNITED STATES PATENT OFFICE

2,055,721

## MATCH PACKET

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6 Claims. (Cl. 206—48)

This invention relates to match packages and has for its primary object to provide a match assembly whereby matches may be secured to any supporting surface; each match being readily removable from the base or support without disturbing or loosening the other matches.

Another object is to provide mounting means for individual matches, and particularly the type of paper match usually prepared in book form, so that a number of matches may be inserted in the usual type of paper wrapper or package of cigarettes, into a tobacco can, or in any other type of wrapper or container, or may be secured externally of such packages or cans by an encircling band or the like.

A still further object is to provide a mounting for use in the combinations suggested so that the matches are reliably held in position within the package even when the cigarettes have been nearly all withdrawn; and which will hold the matches in place with sufficient strength to resist the usual crumpling or bending which a partially filled package customarily receives, but which is not so strong as to lead to the breaking of cigarettes when it is desired to remove a match.

The principle underlying the invention essentially lies in the use of a securing or tear strip for holding a match as a support or backing, the tear strip having such tensile strength, body or resiliency as to hold the match against entanglement or displacement, but less strength than that of the match or support, to avoid tearing either, as will hereinafter appear. Also the strength of the tearing strip must be light enough to avoid injury to one or two cigarettes remaining in a package when it is attempted to detach a match.

With the general objects named in view, and others as will hereinafter appear; the invention consists in certain novel and useful features of construction and combination of parts as hereinafter described and claimed; and in order that it may be fully understood, reference is to be had to the accompanying drawing, in which:—

Figure 1 is a perspective view partly broken away of a cigarette package equipped with the match mounting of the invention.

Figure 2 is a side elevation partially in section to indicate the accessibility of the matches upon the removal of the outside wrapper.

Figure 3 is a perspective view of a slightly modified type of match assembly.

Figure 4 is a side elevation, partially in section

of a double assembly of matches of the construction shown in Figures 1 and 2.

Figure 5 is a fragmental perspective view of a type of match support in which the match itself is grasped for withdrawal purposes when in combination with a package.

Figure 6 is a fragmental section of a slightly modified type of match support.

Figure 7 is a perspective view of a single match equipped with an individual tear strip.

In the drawing, where like reference characters identify corresponding parts in all of the figures, the general method of assembly of a single match is shown in Figure 7, in which the match 1 has one of its ends glued or otherwise secured to an intermediate point in the length of one face of a tear strip, one end of the tear strip extending beyond the match to form a tab 3, and the other end 4 being adapted to be secured to a support, as by a reverse bend as shown in Figures 1 to 5, or as shown in Figure 6. It will be noted that in Figures 1 to 5, a reverse bend is illustrated, which involves securing the same face of the strip to the match and to the support, while in Figure 6, the opposite faces of the opposite ends of the strip are secured to the match and support, and a reverse bend is formed by the pulling operation, *infra*.

When the matches are assembled in plurality, the pull or tear strip will be made as shown in Figure 3, where a sheet of suitable material is transversely split into a plurality of pull strips 5, each of substantially the same width as a match stem, leaving an uncut or base portion 6, which forms a means for securing it to a support as by glue or otherwise. Considering Figure 3, it will be evident that upon gripping one of the projecting tabs 5 and pulling same longitudinally to remove a match, the base 6 of the tear strip will be subjected to a strain tending to split or peel the material in the center, thus requiring less force than would be necessary to sever the entire cross-sectional area of the securing strip.

In Figure 1, a combination of the above structure with a package of cigarettes is illustrated, in which the base 6 of the strip is secured to the inner face of the outside wrapper 7 (or it may be secured to the outside face of the inner wrapper, if desired), the strips are then reversely bent and each strip is secured to a match 1 at a point intermediate its length. In this construction, the tear strip has the extension tab 5 which projects beyond the end of the package when open, and when wrapped, lies down snugly against the end

of the package, and does not materially increase its bulk in either direction.

In Figure 4, the same principle of securing the matches is followed, except that they are secured to opposite ends of a stirrup or U-shaped member 8 fitted between the wrappers of the package and carry a packet of matches at each of its ends on opposite sides of the cigarette or other package.

In Figure 5, the same general type of construction involving a reversely bent tear strip is illustrated, but here the end of the match, instead of a tab or tear strip, is employed as a handle for the withdrawing of the matches.

In Figure 6, a slightly modified construction is shown, where the pull strip 9 is not initially bent back on itself, but where this action occurs when a match is withdrawn as will be readily understood.

From the above description, it will be apparent that I have produced a construction embodying all the features of advantage set forth as desirable, and while I have described the preferred embodiments of the invention, it is to be understood that I reserve the right to all changes within the spirit of the invention and without the ambit of the prior art.

I claim:—

1. A match mounting comprising a support, a flexible tear strip having a portion of one side secured to the support, and being reversely folded, and a match secured to the reversely folded end of the strip.

2. A match mounting comprising a support, a flexible securing strip having a portion of one side secured to the support and being reversely folded, and a match secured to such reversely folded end of the strip; said strip end extending

beyond the end of the match to form a withdrawal tab.

3. The combination of a package, an outside wrapper therefor, a match between one face of the package and its adjacent wrapper and longitudinally retractible therefrom, and a flexible match retracting member having a free end folded over an adjacent end of the package, an intermediate portion secured to the match and its other end portion fixedly secured as regards movement longitudinally of the package and wrapper.

4. The combination of a wrapper member, a match member received in said wrapper member, and an intermediate channeled connecting strip formed of peelable material and connected to said match and wrapper member to adapt said match member to be removed by peeling action of said connecting strip.

5. The combination with a package, of a wrapper cooperating with the package to provide a match pocket, a match inserted in the pocket, and a tear strip of flexible peelable material within the pocket with the match and having portions of its body secured to one wall of the pocket and to the match respectively, and being subjected to peeling action upon withdrawal of the match from the pocket.

6. A match mounting comprising a wrapper member, a flexible tear strip having a portion of one side secured to the wrapper, a match member secured to a portion of the opposite side of the tear strip, said match having a predetermined end exposed for withdrawing movement to cause the tear strip to assume a reverse bend to subject it to peeling action.

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