June 7, 1932. C. J. LANGLEY 1,862,151

MATCH PACKAGE

Filed Jan. 29, 1929 2 Sheets-Sheet 1

Fig. 1.

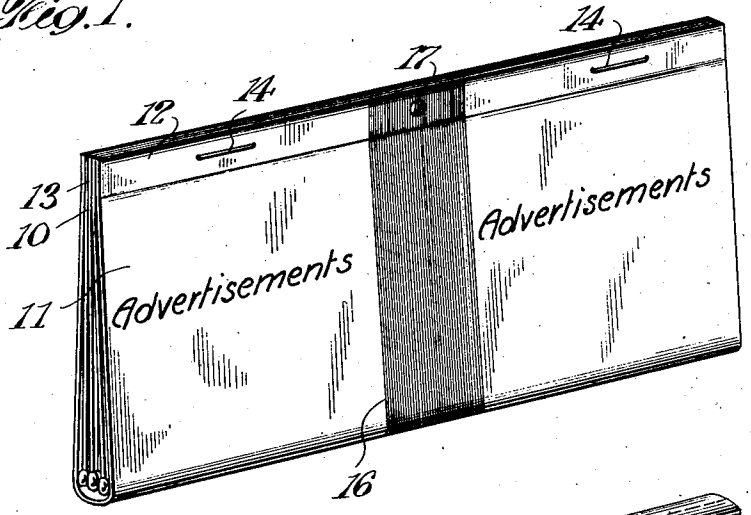


Fig. 2.

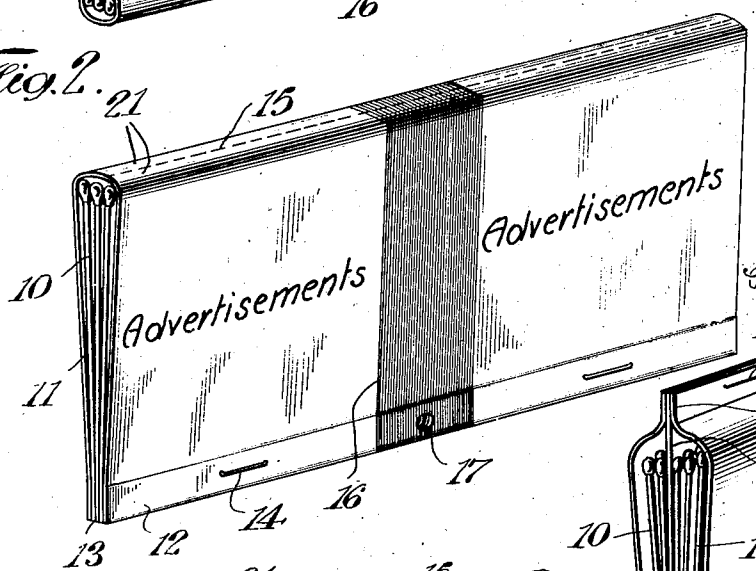


Fig. 7.

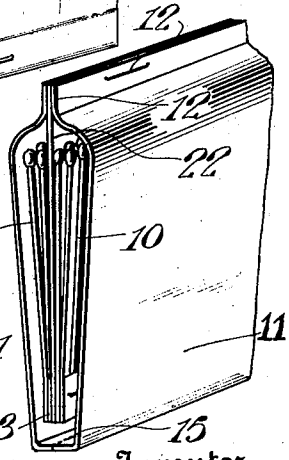
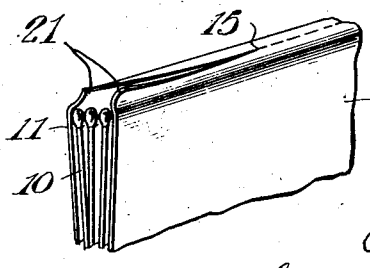


Fig. 3.



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MATCH PACKAGE

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Fig. 1.

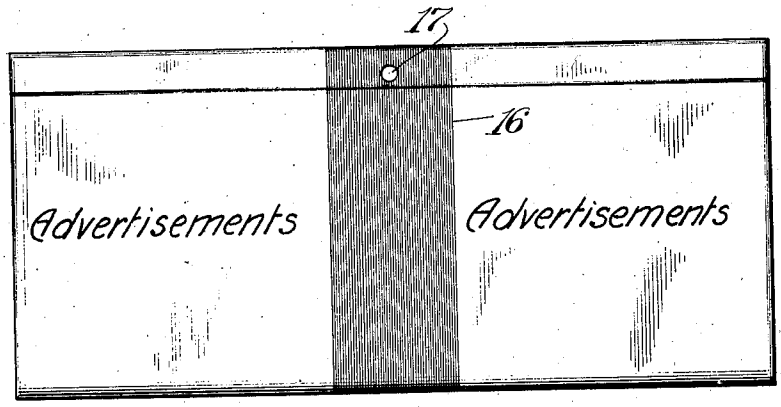


Fig. 5.

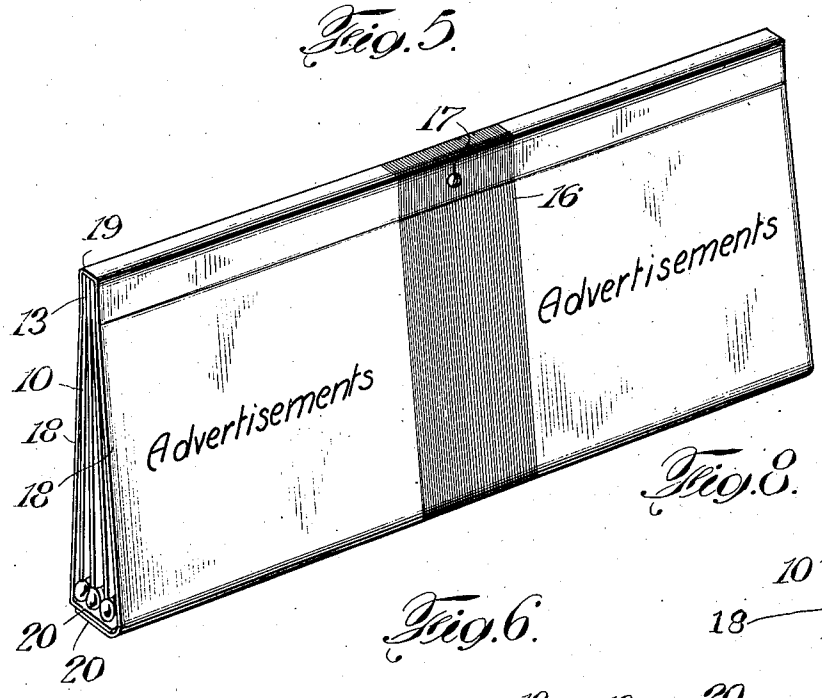


Fig. 8.

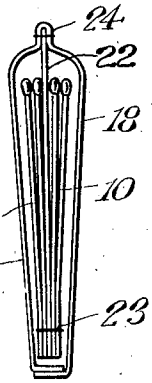
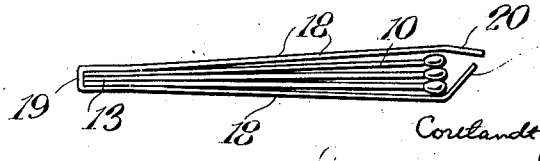


Fig. 6.



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Patented June 7, 1932 1,862,151

UNITED STATES PATENT OFFICE

CORTLANDT J. LANGLEY, OF NEW YORK, N. Y., ASSIGNOR TO CHARLES W. BUMSTEAD, TRUSTEE, OF HIGHLAND PARK, NEW JERSEY

MATCH PACKAGE

Application filed January 29, 1929. Serial No. 335,978.

My invention relates to improvements in match packages of the general kind referred to as match books. My invention is intended to produce a package which is especially adapted for use in houses, offices and other places where the package would not ordinarily be carried on the person, and in which a greater number of matches can be conveniently contained, and displayed in a cover, and also easily removed from the package and ignited.

The invention is intended to produce a simple and inexpensive package which will enable safety matches to be used by the consumer in a way practically as convenient as is the use of the strike-anywhere match, and further to produce a package which, because of its peculiar value as an advertising medium, will enable the safety and really better matches to reach the consumer in a way to be less expensive than the more dangerous strike-anywhere match. For example the match book itself could be sold by the manufacturer either at cost or even less than its actual cost to make, the profit being derived from the advertising carried.

The invention is further intended to produce a package which can be handled and shipped or stored with the utmost safety which is also especially safe as well as convenient in use and which generally will meet the ordinary requirements.

Other objects and benefits will appear from the following description and drawings in which like reference characters refer to similar parts throughout the various views.

Fig. 1 is a perspective view of a match package showing my improvements;

Fig. 2 is a similar view but with the package inverted;

Fig. 3 is a broken perspective detail showing how the cover may be opened when the matches are to be used;

Fig. 4 is a front view of a modified form of the package;

Fig. 5 is a perspective view of the structure shown in Fig. 4;

Fig. 6 is an end view of the package shown in Fig. 5;

Fig. 7 is an end view of a modified form of the match card arrangement; and

Fig. 8 is an end view of a modified form of the package shown in Fig. 7.

In Figs. 1 to 3, I have shown the preferred form of the package in which cards of match splints 10 are laid one upon the other and encased in a single cover 11. The match cards are much larger than in the match books made for pocket use, and the individual splints can also be larger. The matches are preferably safety matches and they can be conveniently fabricated or made in accordance with the disclosure in my application for patent on improvement in "Match books" filed simultaneously herewith. On the other hand, the match cards may be of other kinds without affecting the invention.

In its preferred form the cover is a single piece of material usually coated newsboard or paper, which at its upper edge and on opposite sides is fastened to the base parts 13 of the match cards and the cover extends over both sides and the striking ends of the matches so as to entirely protect them. The parts 12 that is the upper edge portions, of the cover may be glued to the bases 13, if these bases are previously glued together themselves, or may be fastened by stitches 14 or otherwise. The package in its preferred form carries a smaller number of matches than are sold in the ordinary household size box of strike anywhere matches, but of course the number is immaterial so far as the invention is concerned. The package is preferably perforated as shown at 17 near the upper and center part to facilitate hanging it up on a nail, hook or with a string, in the kitchen or other convenient place. The cover has on each side, and preferably transversely, that is vertically, a striking surface 16. This may be otherwise arranged but by having it located centrally of the package it leaves a larger advertising space on each side so that advertising matter can be displayed to particular advantage. If the package is hung on a nail or hook by means of hole 17 and the friction is in the middle of both sides as shown, it is possible to pull off and strike a match with one hand, whereas in order to

strike a boxed match, a match must be held with one hand and the box with the friction on it with the other. By hanging the package by means of hole 17 the disengagement of a match is facilitated, for in pulling down on a match a pivoting action is brought about causing an additional shearing action on the match stem at the point where it joins its base or selvedge. For safety in shipping, storing and generally handling, the package is sealed over at the head ends of the matches as shown, lengthwise of the package and opposite the heads. However, the cover is preferably weakened, scored or perforated as shown by the broken line 15 in Fig. 2 but this is not essential as the cover is usually of paper or some material which can be cut, and when the package is to be used, a knife or other sharp instrument is run along the line 15 and the package opened as indicated in Fig. 3 so that the matches can be pulled off or taken out one by one as needed while the overlapping adjacent parts of the cover and the flaps will protect the match heads.

I have shown other modifications of my device in Figs. 7 and 8. By this arrangement I secure added safety by preventing ignition of the matches still attached in the package It is possible that the match flame might be held under the partly open flaps, 20, Fig. 5, or 21, Fig. 3, and ignite the remaining matches in the package. I have found that even if the entire set of matches is ignited there is very little danger, for the combustion of the match head takes a large amount of oxygen and the covers, 11 or 18, and the flaps, 20 and 21, prevent a flow of air, so that the flame is immediately smothered after the match heads have flashed.

However, to prevent such a possible flash from taking place I have devised the arrangement shown in Figs. 7 and 8. The position of the heads of the matches has been reversed from that shown in Figs. 1 to 6 in that they are not placed near the open flaps 20 and 21 but placed up under the covers 11 or 18 near to the top or point from which the package may be hung. This is accomplished by fastening the cards of match splints to a central member 22, Figs. 7, 8 at point 23, Figs. 7, 8. This central member 22 may then be fastened to the cover 11 or 18, Figs. 7, 8, in the same manner as the match cards in Figs. 1 or 5.

Fig. 7 shows an end view of a package with the cover enclosing the matches in a manner similar to that shown in Figs. 1 to 3. The edge portions 12 of the cover 11 are fastened to the central member 22. The cover 11 may be scored at 15 to facilitate opening.

Fig. 8 shows an end view of a package with the cover enclosing the matches in a manner similar to that shown in Figs. 4 to 6. The cover 18, Fig. 8, is folded over the central member 22 and fastened thereto at 24.

It will be noticed that when the match package is hung up and a person strikes a match on the striking surface 16, the stroke will normally be downward and carried beyond the package so that when the head ignites there will be practically no danger of fire because the covering flaps are pushed into place over the match heads thus covering and protecting them. If a person awkwardly strikes a match laterally or with an upward movement of course there could be no danger.

A novel feature of the arrangement which I have referred to is, that on the package I prefer to make the striking surface 16 on each side of the package insufficient for all the contained matches of the package and the manufacturer can easily estimate this matter so that the striking surface on one side of the package will be equal to striking one-half the contained matches, consequently when this surface has been used up the package will be hung with the other side out to get the new striking surface and therefore other display advertising can be shown to advantage from that on the first side of the package. This makes it possible to place the matches in the hands of the consumer at a very low cost because the matches can be sold practically without profit because of the advertising advantage and the advertising will pay sufficiently to cause the package to be made to the advantage and to the benefit of the consumer and the advertiser.

While it is desirable to hang the package up as specified it can be used, of course, in other ways and obviously many means for hanging it can be utilized without affecting the invention. In Figs. 4 to 6 I have shown an alternative structure which is the same in principle. In this case the cover strip 18 is extended over the top of the package, that is, over the bases 13 of the splint cards and is fastened by gluing, stitching or otherwise. At the point where the cover overlaps the heads, it is formed into overlapping flaps 20 which enclose the heads and still permit the cover to be opened sufficiently to facilitate the easy removal of the individual matches. In this case the flaps 20 are held together by small spots or dabs of glue between them and can be opened easily by running the finger or a knife between them.

Thus, it will be seen that I have devised a ample, in the kitchen where the need of insert- of making safety matches for use, for example, in the kitchen where the need of inserting a match in the pilot holes of an oven requires a longer stem than that which is found in the usual type of book or paper match. Moreover, kitchen use requires particularly a match that may be struck with one hand. It will be noticed that the package when not in use is, to all intents, a box and that in handling, storing or shipping the

match packages there is practically no danger of the matches being accidently ignited.

It will be understood that while several cards 10 are naturally used in a package there can be a single card, or any desired number, without affecting the invention.

What I claim is:

1. A match package comprising matches in side by side arrangement, a cover having advertising material on at least one side thereof secured to the match bases and extending over the sides and heads of the matches, said cover being openable adjacent the heads, and a striking surface on opposite sides of the cover, the striking surface on each side being noticeably insufficient for all the matches within the cover.

2. A match package comprising matches in side by side arrangement, a cover having advertising material on at least one side thereof secured to the match bases and extending over the sides and heads of the matches, said cover being openable adjacent the match heads, and a striking surface arranged transversely on both sides of the cover, said surface on each side being noticeably insufficient to strike all the contained matches in the cover.

3. A hang-up safety match package comprising a body of safety matches in card formation, a one-piece cover extending over the match heads and covering the sides of the matches with a weakened breakable part near the match heads, said cover terminating opposite the bases of the match cards to which bases the cover ends are attached, and means near the base edge of the package for suspending it.

4. A safety hang-up match package comprising a body of safety matches in card formation, a one-piece cover enclosing the matches and attached to the bases of the cards, said cover having a weakened breakable part along the edge adjacent the match heads, a striking surface on the exterior of the package extending vertically when the package is hung up and means near the base edge of the package for suspending it.

5. A match package comprising match cards, and a cover in the form of a single fold extending over the match heads and at its folding portion having a weakened breakable part with the ends of the cover terminating at and attached to the bases of the match cards.

In testimony whereof, I have signed my name to this specification this 25th day of January, 1929.

CORTLANDT J. LANGLEY.

4

CERTIFICATE OF CORRECTION.

Patent No. 1,862,151. June 7, 1932.

CORTLANDT J. LANGLEY.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 2, line 119, strike out the words "ample, in the kitchen where the need of insert-" and insert instead simple, inexpensive and convenient means; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 4th day of October, A. D. 1932.

M. J. Moore,
Acting Commissioner of Patents.

(Seal)