

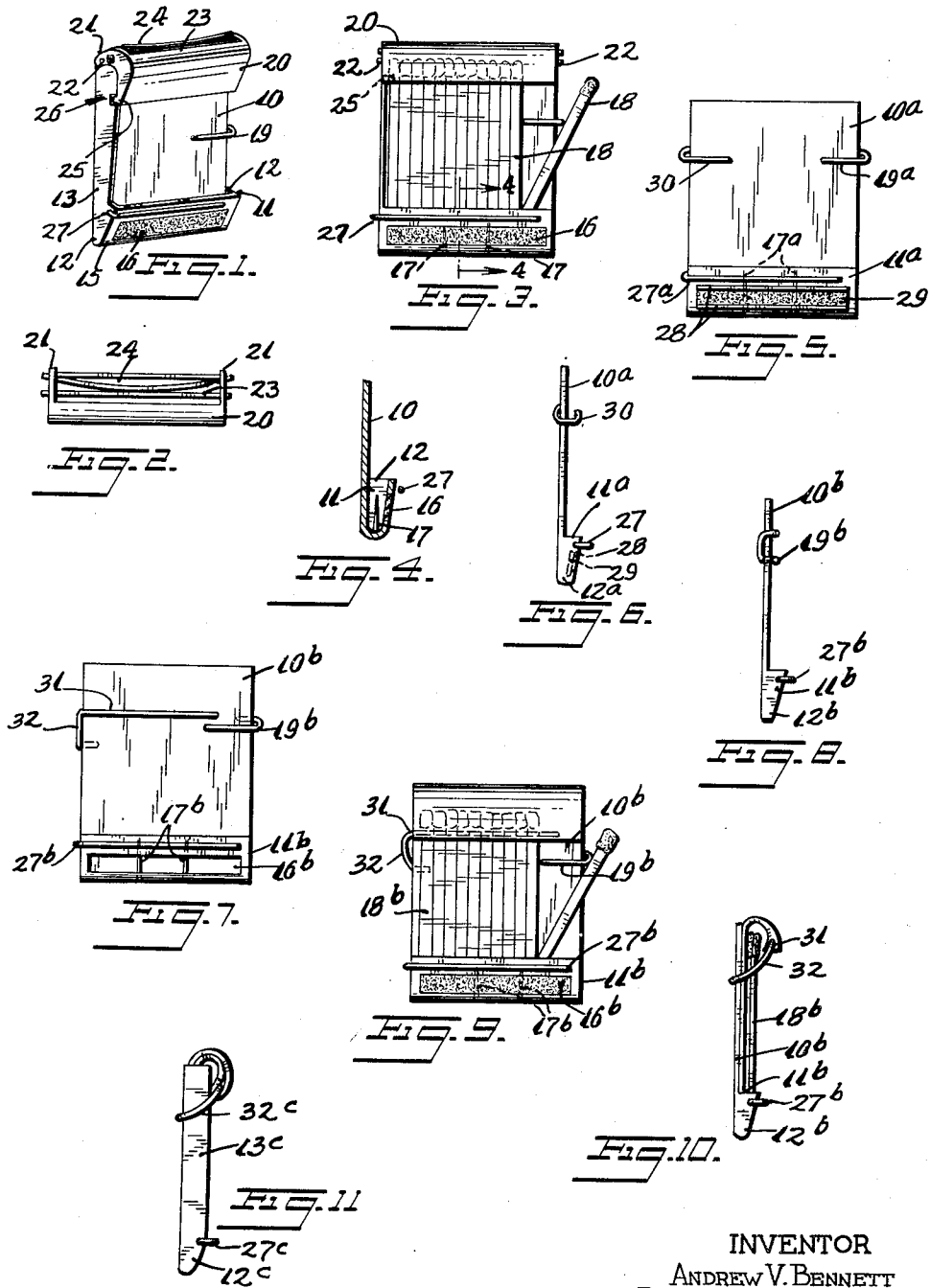
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MATCH CLIP

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MATCH CLIP

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1

This invention relates to new and useful improvements in a book match holder.

More specifically, the present invention proposes the construction of a holder for holding book matches characterized by having a clip for securing the casing with the book matches therein to a pack of cigarettes. Other features of the holder all or any number of which may be included in any one holder, are impaling means for puncturing the base of the book matches for holding that portion of the book matches in the holder; an aperture exposing the striking surface of the book matches through the front of the casing, clips for securing the back of the book matches to the casing; a spring and cam held hingeable cover for guarding the match tops, and finally means whereby the front of the book matches may form the match guard.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a perspective view of a holder constructed in accordance with this invention.

Fig. 2 is a plan of Fig. 1.

Fig. 3 is a front view of Fig. 1 with book matches in the holder.

Fig. 4 is an enlarged section on the line 4—4 of Fig. 3.

Fig. 5 is a front view of a holder constructed in accordance with a modification of this invention.

Fig. 6 is a side view of Fig. 5.

Fig. 7 is a front view of a holder constructed in accordance with a further modification of this invention.

Fig. 8 is a side view of Fig. 7.

Fig. 9 is a front view of Fig. 7 with book matches attached.

Fig. 10 is a side view of Fig. 9.

Fig. 11 is a side view of a holder constructed in accordance with still another modification of this invention.

The holder of Figs. 1-4, according to this invention, comprises a rear wall 10 made of any suitable material, such as metal, plastics, paper, etc., and a bottom channel 11 opening upwards. The channel is closed at both ends by walls 12 and one side of wall 10 is integral with a side wall 13 forming an extension of the adjacent

2

wall 12. The front wall 15 of the channel has a window 16 for exposing the striking surface strip of book matches disposed in the holder. Sharp pins 17 extend upwardly in the channel for impaling the book matches to keep them from moving in the holder. Two pins are shown. The back of the holder may be raised, roughened or smooth and will be used for advertising.

The book matches to be used in the holder are of the conventional type having matches 18. The rear wall of the book matches will lay against the holder rear wall and the front wall of the book matches will be torn off. The heads of the matches will thus be at the top of the rear wall. A spring clip 19 is secured to the rear wall 10 and extends over the front of the rear wall at one side thereof. This clip is for holding the book match rear wall against the holder's rear wall. The wall 13 keeps the book matches from moving laterally in one direction and the clip 19 prevents movement laterally in the opposite direction.

According to the present invention, the heads of the matches must be guarded against accidentally being set on fire. To this end a hinged guard 20 is provided at top, it having rearwardly extending lugs 21 which are orificed for receiving projections 22 bent out from the rear wall 10. The lugs further have orifices for mounting a leaf spring 23 and the rear wall has a forwardly extending cam 24 bent at the top edge thereof. The cam bears against the leaf spring and holds the guard tightly in place over the match tops. The guard has a stop member 25 engaging a slot 26 in the wall 13 for limiting the swinging of the guard. The guard is swung back to place the book matches in the holder.

Another feature of the holder of Figs. 1-4 is that it is provided with a spring clip 27 which is secured to the wall 12 adjacent the wall 13 and which extends in front of the front wall of the channel. This clip is employed to fasten the holder to a pack of cigarettes. This will usually be accomplished by stretching the spring away from the match pack and inserting it in that tensioned condition into a pack of cigarettes. On release the matches will cling tightly to the cigarette pack.

Once the match book has been inserted in the holder, it is held therein securely by the wall 13, the channel, the pins 17 and the clip 19, also by the guard. The matches are removed one at a time by pulling them to the right (Fig. 3) this side of the holder being open. The window 16 permits the matches to be struck in the usual

3

manner and the guard keeps sparks from the match being ignited from igniting the remaining matches. If desired, the window may be eliminated and a slide substituted therefor in the front wall of the channel for receiving a replaceable strip of a waterproof chemical preparation which will be used in striking the matches. This is often preferable as the striking strips of book matches often become moist and unserviceable. Such a slide and strip is shown in the embodiment of Fig. 5.

The embodiment of Figs. 5 and 6 distinguishes from the embodiment of Fig. 1 mainly in that it shows slides 28 for a waterproof chemically prepared strip 29 in the front wall of the channel 11^a. It also has no guard, the front wall being left on the match book in this case and used in the conventional manner. As it has no side wall 13 a clip 30 similar to and opposite the clip 19^a is provided, on the rear wall 10^a. A clip 27^a is attached to the wall 12^a for securing the holder to a pack of cigarettes.

The holder of Figs. 7-10 distinguishes from the holder of Fig. 1 in that the rear wall 10^b is like the wall 10^a, that is, there is no guard. The channel 11^b is like the channel 11, having a window 16^b and a clip 27^b attached to the wall 12^b. A clip 19^b is attached to the wall 10^b.

The holder of Fig. 7 has an added feature forming an important part of the invention. This is a strip of spring metal having an arm 31 extending in front of the rear wall 10^b and connected at right angles to an inclined part 32 which is secured at its end to the rear face of rear wall 10^b. The right end of the arm 31 is free.

The book matches are secured in the holder much as in the manner of fastening the book matches in the holder of Fig. 1. However, the book match does not have the front cover torn off, but this cover is passed under and behind of the arm 31, then folded up over the top of the book matches and tucked in behind the book matches and in front of the rear wall 10^b, all as shown in Fig. 10. Thus the heads of the matches 18^b are covered by a double thickness of cardboard looped around the arm 31. This double thickness provides a guard for the tops of the matches similar to guard 20.

The embodiment of Fig. 11 differs from the embodiment of Fig. 7 only in having a side wall 13^c. This wall prevents movement to the left, while in Fig. 7, movement is prevented by the part 32.

In the various embodiments of the invention, parts similar to corresponding parts of the other embodiments are indicated by like reference with an appropriate letter suffixed.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new and desire to secure by United States Letters Patent is:

1. A safety clip for a book of matches having a rear wall formed at its bottom end with a channel into which the bottom of a book of matches from which the cover has been removed can be inserted to position the heads of the matches at the top of the rear wall, means for protecting the heads of the matches against being acci-

4

dentally ignited, comprising a side wall formed along one side of the rear wall and having its top end stopping short of the top end of the rear wall, a guard pivotally supported on the top of the rear wall to be pivoted to a position resting on the top portion of the side wall and over the heads of the matches, and means for holding said guard in a pivoted position over the heads of the matches, so that the guard may be pivoted against the holding action of said means permitting a book of matches to be mounted in position in the channel and against the rear wall.

2. A safety clip for a book of matches having a rear wall formed at its bottom end with a channel into which the bottom of a book of matches from which the cover has been removed can be inserted to position the heads of the matches at the top of the rear wall, means for protecting the heads of the matches against being accidentally ignited, comprising a side wall formed along one side of the rear wall and having its top end stopping short of the top end of the rear wall, a guard pivotally supported on the top of the rear wall to be pivoted to a position resting on the top portion of the side wall and over the heads of the matches, and means for holding said guard in a pivoted position over the heads of the matches, so that the guard may be pivoted against the holding action of said means permitting a book of matches to be mounted in position in the channel and against the rear wall, said guard being open at its end remote from said side wall so that a match can be removed by swinging it in a direction to cause its head to pass out of the open end of the guard.

3. A safety clip for a book of matches having a rear wall formed at its bottom end with a channel into which the bottom of a book of matches from which the cover has been removed can be inserted to position the heads of the matches at the top of the rear wall, means for protecting the heads of the matches against being accidentally ignited, comprising a side wall formed along one side of the rear wall and having its top end stopping short of the top end of the rear wall, a guard pivotally supported on the top of the rear wall to be pivoted to a position resting on the top portion of the side wall and over the heads of the matches, and means for holding said guard in a pivoted position over the heads of the matches, so that the guard may be pivoted against the holding action of said means permitting a book of matches to be mounted in position in the channel and against the rear wall, projections extended laterally from the top end of the rear wall, and rearwardly extending lugs formed on said guard and formed with orifices into which said projections extend forming the pivotal mounting of said guard.

4. A safety clip for a book of matches having a rear wall formed at its bottom end with a channel into which the bottom of a book of matches from which the cover has been removed can be inserted to position the heads of the matches at the top of the rear wall, means for protecting the heads of the matches against being accidentally ignited, comprising a side wall formed along one side of the rear wall and having its top end stopping short of the top end of the rear wall, a guard pivotally supported on the top of the rear wall to be pivoted to a position resting on the top portion of the side wall and over the heads of the matches, and means for holding said guard in a pivoted position over the heads of the matches, so that the guard may be pivoted against the

5

holding action of said means permitting a book of matches to be mounted in position in the channel and against the rear wall, projections extended laterally from the top end of the rear wall, and rearwardly extending lugs formed on said guard and formed with orifices into which said projections extend forming the pivotal mounting of said guard, said holding means comprising a leaf spring mounted between said lugs forward of said orifices, and a cam formed on the top edge of the rear wall and engaging said leaf spring when said guard is in a position over the heads of the matches.

5. A safety clip for a book of matches having a rear wall formed at its bottom end with a channel into which the bottom of a book of matches from which the cover has been removed can be inserted to position the heads of the matches at the top of the rear wall, means for protecting the heads of the matches against being accidentally ignited, comprising a side wall formed along one side of the rear wall and having its top end stopping short of the top end of the rear wall, a guard pivotally supported on the top of the rear wall to be pivoted to a position resting on the top portion of the side wall and over the heads of the matches, and means for holding said guard in a pivoted position over the heads of the matches, so that the guard may be pivoted against the

6

holding action of said means permitting a book of matches to be mounted in position in the channel and against the rear wall, said side wall being formed with a slot in alignment with the free edge of the guard when in position over the heads of the matches, and a stop member formed on the free edge of said guard and engaging said slot for limiting swinging of said guard.

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