G. W. FAILE, JR.

MATCH BOX.

APPLICATION FILED FEB. 21, 1914.

1,140,142. Patented May 18, 1915.

Fig. 1.

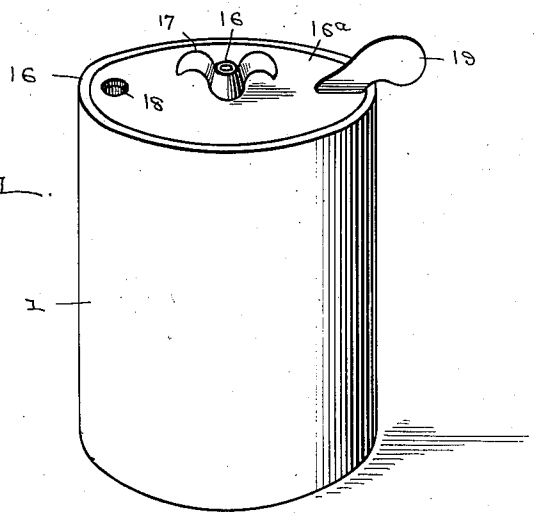


Fig. 2.

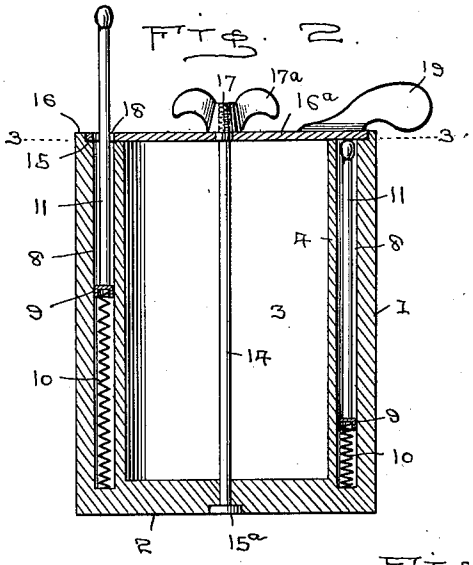


Fig. 3.

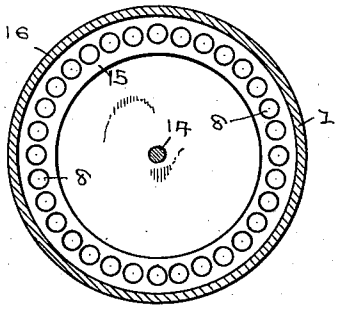


Fig. 4.

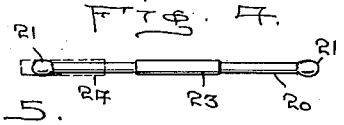
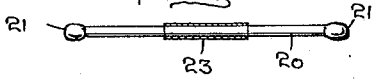


Fig. 5.



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Witnesses

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UNITED STATES PATENT OFFICE.

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MATCH-BOX.

1,140,142. Specification of Letters Patent. Patented May 18, 1915.

Application filed February 21, 1914. Serial No. 820,202.

To all whom it may concern:

Be it known that I, the undersigned, GEORGE W. FAILE, Jr., a citizen of the United States, residing at Taxahaw, in the county of Lancaster and State of South Carolina, have invented certain new and useful Improvements in Match-Boxes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to match boxes and more particularly to that class wherein the matches are automatically ejected, and has for one of its objects the construction of a match box for conveniently carrying the same in the pocket of the user.

A further object of this invention is the construction of a match box capable of retaining a greater quantity of matches by the provision of an interior compartment for holding a surplus of a number of matches. And a still further object of this invention resides in the construction of a match box simple in structure, efficient in purpose and which can be readily manufactured and placed upon the market at a nominal cost. And another object resides in the construction of a double headed match for use in connection with the match box and having arranged thereon means for preventing the soiling of the hands when one of the heads have been burned.

These and other objects will more fully appear and the nature of the invention more clearly understood by the construction, combination and arrangement of parts thereof as described in the following specification, defined in the appended claim and illustrated in the accompanying drawings, in which,

Figure 1 is a perspective view of the match box as the same appears when ready for use. Fig. 2 is a vertical longitudinal sectional view of the device shown in Fig. 1, which shows the interior construction of the same with one of the matches in the act of being ejected therefrom. Fig. 3 is a top plan view partly in section and taken on line 3—3 of Fig. 2 showing the interior compartment for the surplus matches and a series of circular bores or compartments for the matches which are to be ejected from the match box. Fig. 4 is a side elevation of one of the double headed matches showing the sleeve thereon and the same shown in dotted lines as it would appear when the sleeve has been passed over the burned end of the match, and Fig. 5 is a similar view to Fig. 4 excepting the sleeve is shown in section.

Referring to the drawings 1 denotes the body of the match box and 2 the bottom thereof, and within the same is the compartment 3 for holding surplus matches.

Surrounding the compartment 3 is the inner wall 4 thus forming between the wall 4 and the outer wall 1 of the match box a wall of sufficient thickness to provide for the series of bores 8 for the reception of the matches to be ejected therefrom.

Arranged in each of the bores 8 are the followers 9 and positioned between the followers 9 and the bottom of the bores 8 are the compression springs 10, the tendency of the spring being to cast the followers 9 in an outward direction, and positioned in the bores 8 are the matches 11 having one of their ends resting upon the followers 9.

Arranged upon the upper edge of the box 1 and over the entrances of the bores 8 is arranged the annular recess 15, and surrounding the recess is the upwardly extending annular flange 16.

Within the recess 15 and seated therein is a circular lid 16^a, which lid is retained upon the box 1 by the rod 14 passing upwardly through the center of the match box and having its head 15^a secured to the bottom 2 of the match box and its opposite end screw threaded as at 17 and upon which is secured the thumb nut 17^a for retaining the lid within the recess 15. The lid 16^a is provided with the opening 18 arranged adjacent the peripheral edge thereof and is designed to register consecutively with the bores 8 of the match box. The lid 16^a is rotatably mounted upon the box 1 and for rotating the lid 16^a is provided the handle 19, which handle projects slightly beyond the outer perpendicular wall of the match box in order that the same may be within easy reach of the user.

In Figs. 4 and 5 I have illustrated the form of the match which I desire to use in connection with the match box, the same being constructed with the stem 20 and the oppositely disposed heads 21. Upon the stem 20 is arranged the slightly elongated sleeve 23 slidably mounted upon the stem 20 and designed to pass over the burned end

of the match for extinguishing the same as well as to provide means for preventing the soiling of the hands of the user of the match.

While I have here shown the body of the match box formed as an integral structure, it is to be understood that the same may be made of pottery, wood or metal, and the parts thereof made separately and joined together in any efficient manner. The match box may also be made in any size and shape found desirable and without deviating from the principle of my invention.

I have here shown the preferred embodiment of my invention, but I hereby reserve the right to make such alterations and variations therein from time to time as I may deem expedient and which will not depart from the spirit of the invention or conflict with the scope of the appended claim.

Having thus fully described my invention, what I claim and desire to secure by Letters-Patent of the United States is:

A match box, comprising; a hollow cylindrical body portion having a thick surrounding wall, said body portion having an open end, and a bottom inclosing the opposite end, a broad annular recess formed in the inner edge of the open end of said body portion and providing an annular flange therearound, a lid rotatably mounted upon said body portion within said annular recess and said annular flange, a rod projecting centrally through said body portion and having a head embedded in the bottom of said match box; the upper end of said rod having screw threads thereon and projecting through a central aperture formed in said lid and extending above the upper surface thereof, a wing nut screwed upon said rod for retaining said lid within the recess of said body portion, a plurality of circular bores formed in the thickened wall of said body portion and slightly spaced apart, a follower in each of said bores upon which the wood end of the match is designed to rest, a compression spring mounted in each of said bores and interposed between the respective followers and the bottom of said bores for forcing said followers together with the matches upwardly, said lid being provided with a single aperture adjacent the periphery thereof and adapted to be brought into consecutive registration with the respective bores to provide for the ejection of the match therethrough, and a thumb piece secured upon the upper surface of said lid at a point opposite to the single aperture for conveniently rotating said lid by the thumb of the user for bringing the single aperture in registration with the respective bores, when desirous of obtaining a match from within said match box.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEO. W. FAILE, JR.,

Witnesses:
J. B. CASTON,
M. FAILE.