April 7, 1925. 1,532,262

W. A. PIKE

CIGARETTE HOLDER

Filed July 26, 1924

Fig. 1.

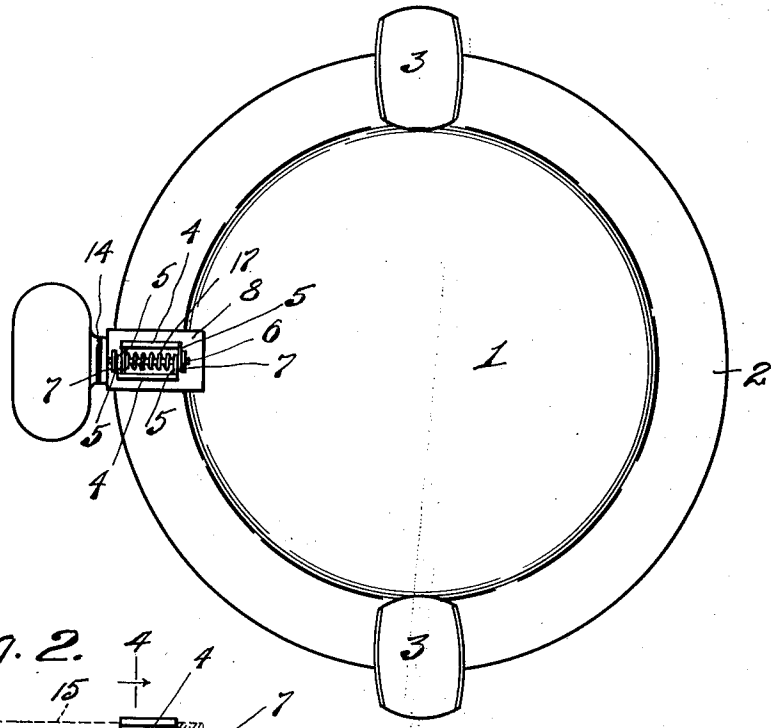


Fig. 2.

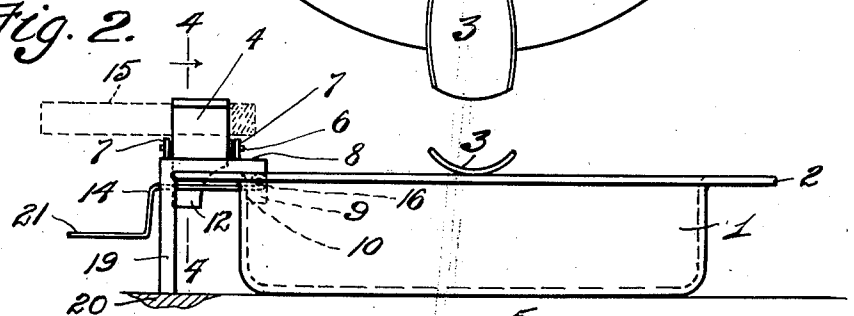
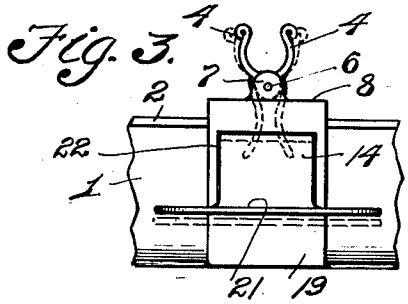


Fig. 3.



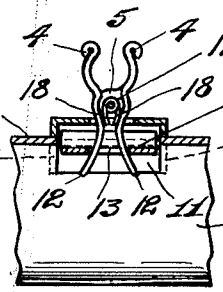


Fig. 4.

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UNITED STATES PATENT OFFICE.

WILLIAM A. PIKE, OF OTTAWA, ILLINOIS.

CIGARETTE HOLDER.

Application filed July 26, 1924. Serial No. 728,302.

To all whom it may concern:

Be it known that I, WILLIAM A. PIKE, a citizen of the United States, residing at Ottawa, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Cigarette Holders, of which the following is a specification.

The invention relates to cigarette holders particularly adapted for use in connection with ash trays, and has for its object to provide a holder which will positively grip a cigarette and hold the same on the ash tray, thereby preventing the cigarette from falling off the tray onto a floor or carpet and damaging the same.

A further object is to provide gripping members for the cigarette, which, when the cigarette is placed therein, will tightly grip and compress the same, thereby cutting off the flow of air through the cigarette, consequently causing the cigarette to go out before the portion thereof between the gripping members is consumed. Also the clamping jaws by preventing the continued burning of the cigarette obviates a common difficulty now experienced with many kinds of cigarettes which continue to burn when placed in an ash tray until entirely consumed, which is objectionable.

A further object is to provide a cigarette holding and gripping member on the side of an ash tray and comprising spring closed gripping jaws having downwardly diverging arms extending through an aperture in a pivoted lever, which lever when forced downwardly, forces the gripping ends apart. Also to provide a supporting leg outside the pivotal point of the lever for engaging a support and preventing tilting of the ash tray when the lever is forced downwardly for opening the jaws.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:—

Figure 1 is a top plan view of a conventional form of ash tray, showing the cigarette holder applied thereto.

Figure 2 is a side elevation of the cigarette holder and ash tray.

Figure 3 is a front elevation of the cigarette holder.

Figure 4 is a detail sectional view taken on line 4—4 of Figure 2.

Referring to the drawing, the numeral 1 designates a conventional form of ash tray and 2 the horizontal flange carried thereby, which flange is provided with cigar or cigarette receiving concave plates 3 of a conventional form. It has been found that where cigarettes are placed in the plates 3, they easily roll off the same in many cases on a highly polished table or on the floor, especially where the cigarettes are of the character which continually burn until entirely consumed. To obviate the above difficulty, a cigarette holding and gripping device is provided, which gripping device comprises curved jaws 4, which jaws have their opposite sides provided with overlapping ears 5, which are pivotally mounted on a horizontally disposed shaft 6 carried by upwardly extending ears 7 of a plate 8 above the flange 2, and which plate is provided with downwardly extending arms 9, which may be secured by welding or otherwise at 10, to the inner side of the tray 1 adjacent the recess 11 therein. The gripping jaws 4 are provided with downwardly diverging arms 12 which extend through an aperture 13 in a pivoted lever 14, which lever has its inner end pivotally connected at 16 to the arms 9 of the plate 8, and it will be seen that when the lever 14 is forced downwardly at its outer end, the arms 12 will be forced together, thereby moving the gripping arms 4 apart and releasing the cigarette 15. Surrounding the shaft 6 is a coiled spring 17, the ends 18 of which engage the inner sides of the arms 12 below the shaft 6, and normally force the same apart, therefore it will be seen that when the lever 14 is released, the diverging arms 12 will cooperate with the opposite sides of the aperture 13 under the influence of the coiled spring 17, and will return said lever to normal horizontal position as shown in Figure 2, and to operative gripping position, for gripping and compressing the cigarette.

The outer end of the plate 8 is provided with a downwardly extending leg 19, which leg will engage a support, for instance a table 20 and prevent tilting of the ash tray when the operator places his finger on the downwardly offset portion 21 thereof, and forces the same downwardly. It will be

noted the supporting leg 19 is relatively close to the finger engaging portion 21 of the lever and outside the pivotal point 16 thereof, therefore it is obvious that during the operation of the lever 14 the ash tray will not be tilted. When it is desired to place a cigarette in the holder, the lever 14 is depressed, thereby spreading the gripping jaws 4, after which the cigarette is placed between the gripping jaws 4 and the lever released. When the lever is released, the coiled spring 17 will force the gripping jaws 4 into close, gripping and compressing engagement with the cigarette 15, and the diverging arms 12 apart, consequently the diverging arms will return the lever 14 to normal position as shown in Figure 2. The compressing and close gripping of the cigarette will cut off the flow of air therethrough and the cigarette will go out, therefore the continued burning of the cigarette until consumed is obviated, as the same will not burn between the gripping jaws. It will also be seen that the cigarette is positively held, consequently it can not fall off the tray onto a table or floor, and damage the same or cause fire. The lever 14 extends through an opening 22 in the supporting leg 19, thereby forming a compact structure, and at the same time guiding the arm 14 in its vertical movement.

The invention having been set forth what is claimed as new and useful is:—

1. The combination with an ash tray, a horizontally disposed flange carried by said ash tray, of a cigarette holding member carried thereby, said member comprising spring actuated gripping jaws, a lever pivoted to the ash tray and cooperating with said jaws for opening the same upon a downward movement of the lever, and a supporting leg adjacent said lever and outside of the pivotal point thereof and forming means whereby when pressure is applied on the lever the tray will be prevented from tilting.

2. The combination with an ash tray, of a cigarette holder carried by one side thereof, said cigarette holder comprising an outwardly extending plate, a supporting leg carried by the outer end of the plate, cigarette gripping and compressing jaws pivotally mounted on said plate, downwardly diverging arms carried by said jaws below their pivotal point, spring means for normally forcing said jaws together, an operating lever pivoted to the ash tray and extending through an opening in the supporting leg, said downwardly diverging arms extending through the aperture in the lever and cooperating with opposite walls thereof, whereby said arms will be forced together on the downward movement of the lever and forced apart upon the release of the lever and the lever returned to inoperative position.

3. A cigarette holder comprising a plate, gripping jaws pivotally mounted on said plate, spring means for normally forcing said gripping jaws together, said jaws being provided with diverging arms extending through the plate, an operating lever having an aperture therein, said diverging arms extending through the aperture in the lever, opposite walls of said aperture of the lever cooperating with the diverging arms upon a downward movement of the lever for moving the gripping jaws apart and for returning the lever to normal position when released.

4. A cigarette holder comprising a plate, gripping jaws pivotally mounted on said plate, spring means for normally forcing said jaws together, diverging arms carried by said jaws, a pivoted lever having an aperture, said diverging arms being disposed in said aperture of the lever, said diverging arms cooperating with opposite walls of the lever aperture whereby upon the movement of the lever in one direction the gripping jaws will be spread apart, and upon release of the lever the gripping jaws will move together under the influence of the spring means and the lever will be returned to normal position.

In testimony whereof I affix my signature.

WILLIAM A. PIKE.