Feb. 17, 1925. 1,526,685

D. E. TOOMEY

TOBACCO USER'S APPLIANCE

Filed Dec. 15. 1923 2 Sheets-Sheet 1

Fig. 1.

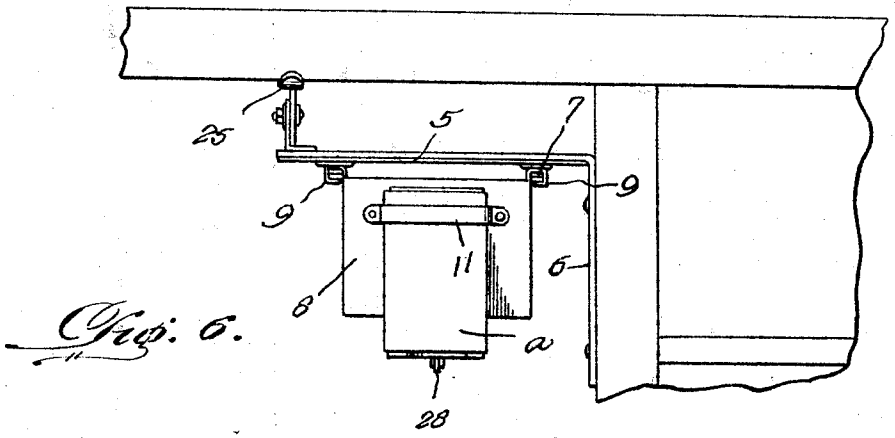


Fig. 6.

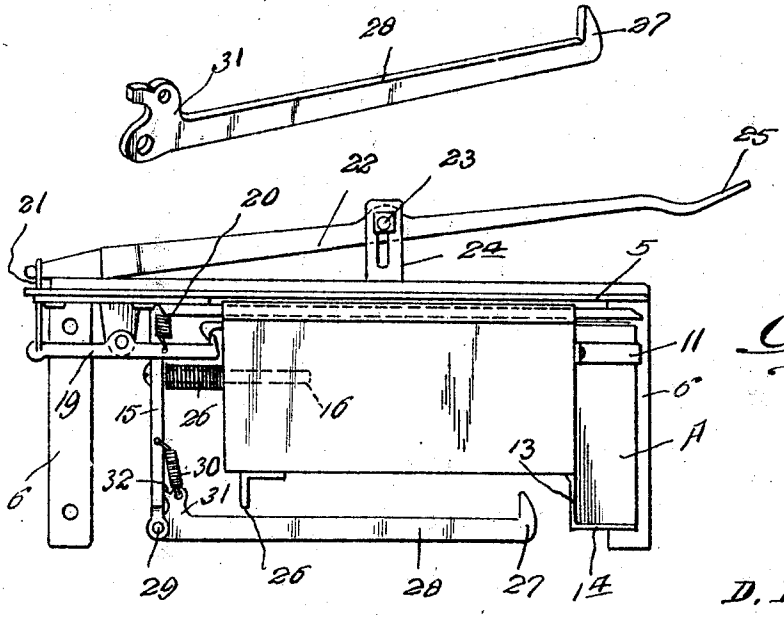


Fig. 2.

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Fig. 3

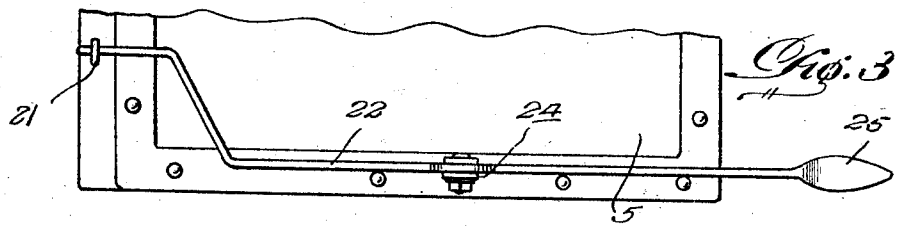


Fig. 5.

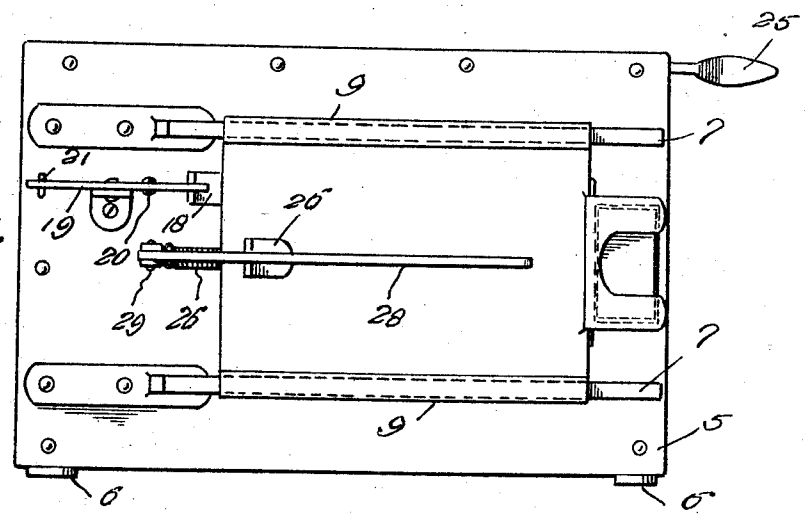
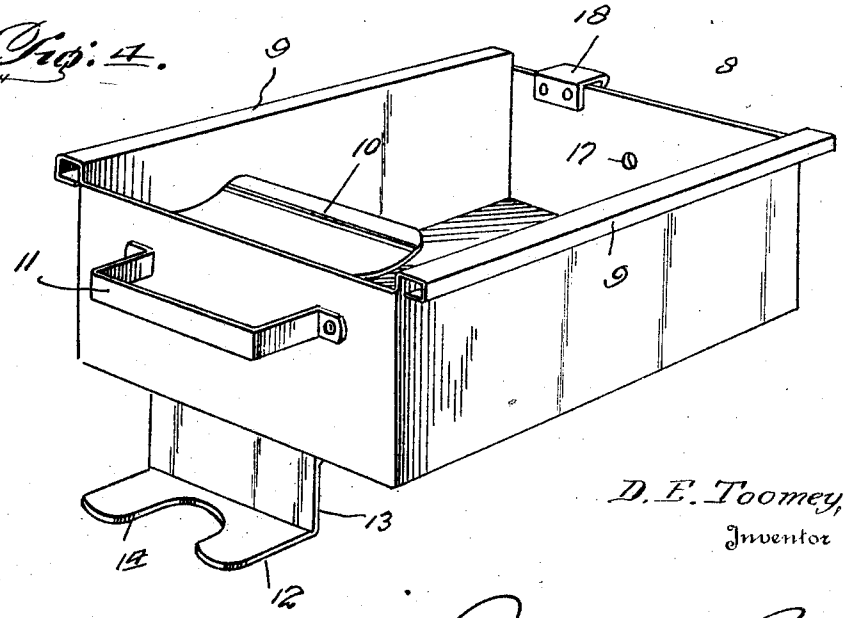


Fig. 4.



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UNITED STATES PATENT OFFICE.

DANIEL E. TOOMEY, OF WOODSTOCK, ILLINOIS.

TOBACCO-USER'S APPLIANCE.

Application filed December 15, 1923. Serial No. 680,898.

To all whom it may concern:

Be it known that I, DANIEL E. TOOMEY, a citizen of the United States, residing at Woodstock, in the county of McHenry and State of Illinois, have invented certain new and useful Improvements in Tobacco-Users' Appliances, of which the following is a specification.

This invention relates generally to tobacco users' appliances and has more particular reference to a combination match carrier and cigar, cigarette and ash tray, the primary object of the invention residing in the provision of such an article that is adapted to be mounted beneath the top of a table or desk and adjacent one edge thereof, whereby the device is normally supported in a position out of view, an additional object of the invention residing in means for automatically moving the combination match carrier, cigar, cigarette and ash tray to a position beyond the table or desk top when it is desired to use the same.

A still further object of my invention resides in the provision of such an article wherein the same may be manufactured and marketed at a comparatively low cost and wherein the device will operate efficiently under all conditions, and wherein the life of the same will be practically indefinite.

With the foregoing and other objects in view as the nature of the invention will be better understood, the same comprises the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings and claimed.

In the drawings wherein like reference characters indicate corresponding parts throughout the different views,

Figure 1 is a fragmentary front elevational view of a conventional form of desk equipped with a tobacco user's appliance constructed in accordance with the present invention,

Figure 2 is a side elevational view of the device per se,

Figure 3 is a fragmentary top plan view of the present invention,

Figure 4 is an enlarged perspective of the combination match carrier, cigar, cigarette and ash tray per se, and

Figure 5 is a bottom plan view of the complete article.

Figure 6 is an enlarged detail perspective view of the arm, which prevents the tray from becoming disengaged from the guide rail.

The tobacco user's appliance includes a substantially rectangular plate 5, formed of sheet metal, to which is secured one leg of angular attaching brackets 6, being secured to one face of the plate, while the other legs are secured to a suitable support, such as a table, or the like, under the top thereof and adjacent the front edge of said top. The device is supported, under the top of a table, in spaced relation thereto, as shown in Figure 1, and in such a manner as to be easily accessible to a user.

The under-side of this plate 5 is equipped with a pair of spaced longitudinally extending guide rails 7—7 that are, as more clearly shown in Figure 2, slightly spaced from the under-side of said plate 5. Adapted for detachable association with these rails 7—7, is a combination match carrier, cigar or cigarette holder and ash tray, designated generally 8. This tray is preferably of a rectangular configuration and is of sheet metal. Formed upon the upper open side of this tray and at the opposite longitudinal edges thereof, are laterally disposed longitudinally extending channels 9—9 within which engage said guide rails 7—7 and this in such a manner as to allow a free sliding movement in opposite directions of the tray upon said guide rails. This front wall of said tray is equipped with a cigar ledge 10 and U-shaped bracket 11 through which is to be engaged a box of safety matches *a* in Figure 1 and which are adapted to rest upon the forwardly extending horizontal portion 12 of an L-shaped bracket 13 that is pendant from the tray 8, said longitudinal portion being formed centrally with a notch 14 for allowing the usual match carrying slide element of the match box *a* to be pushed upwardly by the finger for thereby permitting the matches to be extracted from the box.

At a point between the guide rails 7—7 and slightly inwardly of the rear edge of the rectangular shaped plate 5 and pendant therefrom is an arm 15 that carries ad-

jacent its upper end a forwardly extending rod 16 that is adapted to pass through an opening 17 in the rear wall of the tray 8 when said tray is slid rearwardly upon its guide rails. At the upper edge of the rear wall of said tray 8 and at one side of the opening 17 is a keeper hook 18 that cooperates with a pivoted latch 19 suitably pivotally secured to the under-side of the rectangular shaped plate 5 for maintaining said tray 8 in its rearmost position and at a point beneath the top of the desk or table to which the present device is applied.

The latch 19 is maintained in engagement with the keeper hook 18 through the medium of a coiled spring 20 connected at its opposite ends to the under-side of the plate 5 and to the latch 19 forwardly of its pivot, while connected to the rear end of said latch 19 is an upwardly extending link 21 that passes through an opening in the plate 5 and is connected at its upper end to one end of a lever 22, which lever is adjustably pivotally secured as at 23 to a bracket 24, secured to the top-side of the plate 5 and at the outer edge thereof. The front end of this lever 22 is so formed as to provide a finger piece 25 the length of this lever being such as to allow said finger piece to extend slightly outwardly of the top of the desk or table to which the device is applied for manifestly allowing the same to be swung upon its pivot 23 for thereby releasing the latch 19 from the keeper 18.

Surrounding the rod 16 between the arm 15 and rear wall of the tray 8 is an expansible coil spring 26 that serves as a means for projecting the tray 8 forwardly from beneath the plate 5 upon its guide rails 7—7 for thereby allowing access to be had to the interior of the tray as well as to the matches carried thereby.

The bottom wall of the tray 8 is equipped with a stop element 26 and this adjacent its rear edge for engaging the front hooked end 27 of a forwardly extending arm 28 that is pivoted as at 29 to the before mentioned pendant arm 15 for obviously preventing the accidental disengagement of the tray 8 from its guide rails 7—7. The arm 28 is maintained normally in the horizontal position shown in Figure 2 so as to operate effectively for the purpose intended through the medium of a spring 30 that is connected at its opposite ends to the arm 15 and an extension 31 formed on the arm 28, respectively. This extension 31 is formed itself with a rearwardly extending relatively small pin 32 that engages the pendant arm 15 for limiting the upward swinging movement of said arm upon its pivot 29.

It will thus be obvious that whenever it is desired to entirely remove the tray 8 for cleaning purposes or the like, the arm 28 is swung downwardly and the tray then entirely removed from its guide rails 7—7.

The specific operation together with numerous advantages of a tobacco user's appliance of this nature will be at once obvious to those familiar with the art to which it pertains, and even though I have herein set forth the most practical embodiments of the invention with which I am at this time familiar, it is nevertheless to be understood that minor changes may be made in the invention without departing from the spirit and scope of the appended claims.

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

1. A structure of the class described comprising a support, an ash tray slidably mounted beneath said support, said tray being adapted to be projected outwardly from beneath said support to render it accessible, means permitting a limited movement of the tray in one direction, means for automatically projecting the tray, and manually released means for maintaining the tray in an ineffective position beneath said support.

2. A structure of the class described comprising a support, an ash receiving tray slidably mounted beneath said support and normally inaccessible, means for limiting the sliding movement of the tray in an outward direction, spring means for projecting said tray, latch means for maintaining the tray beneath said support, and manually controlled means for operating said latch means.

3. A tobacco user's appliance comprising mounting means adapted to be connected to a support, an ash receiving tray slidably connected with said mounting means, said tray being provided with a stop, means engageable with said stop for limiting the outward sliding movement of the tray, spring means for projecting the tray, latch means for holding the tray in an inaccessible position, and a manually operated lever carried by said mounting means for controlling said latch means.

4. A tobacco user's appliance comprising a plate, attaching brackets carried by said plate, an open top ash receiving tray slidably mounted upon the under side of said plate, a stop carried by said tray, means engageable with said stop for limiting the outward sliding movement thereof, spring means for automatically sliding said tray to operative position, a keeper carried by said tray, a pivoted mounted latch cooperative with said keeper, and a pivotally mounted lever cooperative with said latch.

5. A tobacco user's appliance comprising a plate provided with attaching brackets, an open top ash receiving tray slidably mounted upon the under side of said plate, a keeper

carried by said tray, a stop also carried by said tray, a latch pivoted between its ends on the under side of said plate and having its nose engaged with said keeper, a lever pivotally mounted upon said plate and having connection with said latch for releasing the same, a pivotally mounted arm supported from the plate and disposed beneath the bottom of said tray and provided at its outer end with a hook for engaging the aforesaid stop, and spring means for supporting said arm in a horizontal operative position.

In testimony whereof I affix my signature.

DANIEL E. TOOMEY.