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L. ROSEN

1,940,103

CIGARETTE EJECTOR

Filed March 3, 1933

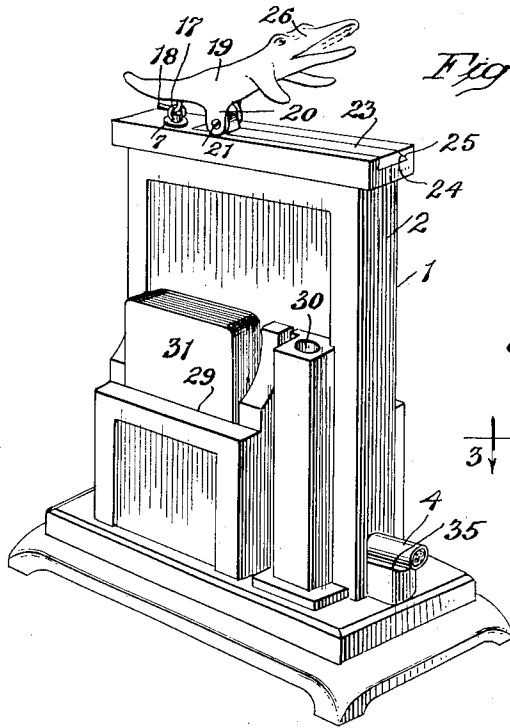


Fig. 1.

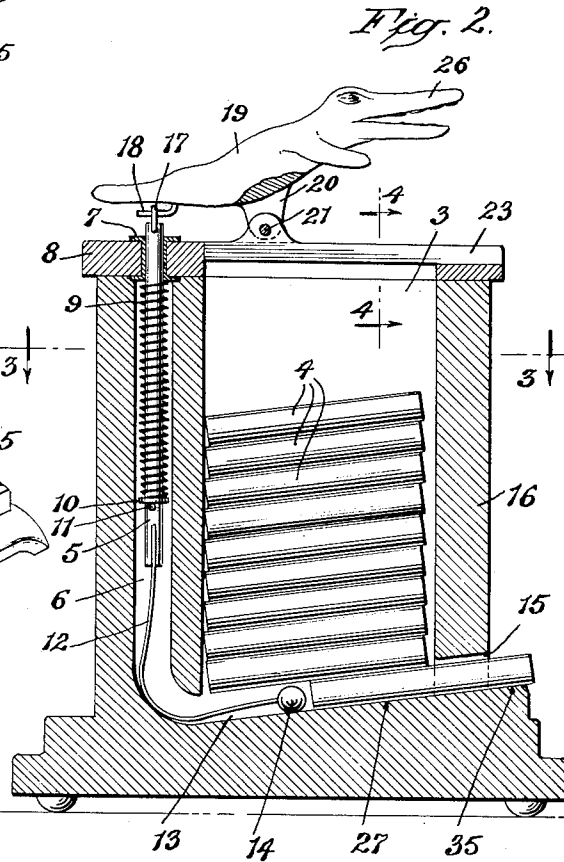


Fig. 2.

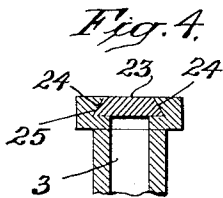


Fig. 4.

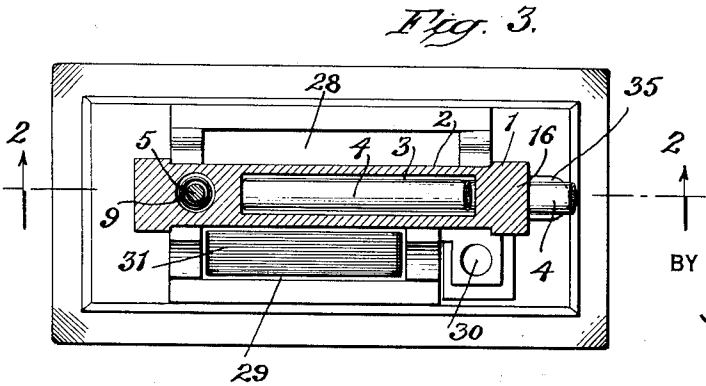


Fig. 3.

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1,940,103

CIGARETTE EJECTOR

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1 Claim. (Cl. 312—78)

This invention relates to a device for delivering or ejecting cigarettes from a container, the device being so arranged that it can be embodied in any suitable ornamental structure, as, for example, a book end, a statuette, an ornamental pedestal, or in any one of numerous other ornamental articles.

The object of the invention is to provide a simple, easily constructed device which will be not only useful for holding cigarettes but for delivering them as required. The nature of the device is such that it can be used in conjunction with a casing made in any desirable ornamental form or adapted to numerous art objects and novelties now in use.

More specifically, the invention contemplates the use of a chamber in which a stack of cigarettes is contained in superimposed relationship, and a relatively simple plunger mechanism, operated through manipulation of an ornamental figure or lever, for successively ejecting the lowermost cigarette from the stack out of the chamber.

In the accompanying drawing, Fig. 1 is a perspective view of the device as embodied in an article useful in connection with bridge playing, or other card games; Fig. 2 is a vertical sectional view on the line 2—2 of Fig. 3, looking in the direction of the arrows; Fig. 3 is a sectional view on the line 3—3 of Fig. 2, looking in the direction of the arrows; and Fig. 4 is a sectional view on the line 4—4 of Fig. 2, looking in the direction of the arrows.

The device may be embodied in any suitable shape and style of casing, dependant upon the particular use to which the object is to be put. For example, I have shown the illustrated casing 1 forming the body of the device, in the form of a stand or object useful in connection with card games, such as bridge. It will be clearly understood, however, that the casing or shape of the article in which the apparatus is used may be varied according to the use as to which it is to be put. The casing 1 may therefore assume the shape and form of a book-end, a statuette, or any other desired object.

In the form shown, the casing has a centrally disposed relatively flat portion 2 provided with an interior chamber or compartment 3 for the reception of a stack of cigarettes 4. The chamber 3 is only slightly wider than the diameter of a single cigarette and slightly longer than a cigarette so that the cigarettes, when placed in the chamber, rest longitudinally on top of one

another in a single stack as clearly illustrated in Figs. 2 and 3.

At 5 is shown a plunger which is vertically movable in a vertically disposed bore or passage 6 located in back of the chamber 3. The plunger has its upper end slidable through a bushing 7 held in the top 8 of the compartment 2. A spring 9 surrounds the plunger 5 and has one of its ends impinging against the bushing 7 and its opposite end bearing against a washer 10 held on the plunger 5 by a pin 11. Secured to the lower end of the plunger 5 and extending downwardly therefrom is a flexible ejector member 12 which may be in the form of a flexible wire or flat spring member. The passage 6 is curved at its lower end and extends below the stack of cigarettes, as shown at 13, and the flexible nature of the ejector member 12 enables it to readily follow this curved passage as clearly shown in Fig. 2. Attached to the end of the flexible ejector member 12 is a ball 14 or other smooth, rounded head which acts to impinge against one end of each cigarette in the stack to successively force the cigarettes partly out of an exit opening 15 provided at the lower end of the front wall 16 of the casing.

At its upper end the plunger 5 is provided with a ring or loop 17 which is engaged by a hook 18 located on the under side of an operating lever which I have shown in the form of an ornamental figure 19. The figure 19 is provided with spaced lugs 20 projecting downwardly from it, these lugs being pivoted at 21 in an ear 22 extending upwardly from the top of a sliding closure plate 23. The longitudinal bevelled edges 24 of the closure plate 23 move in a bevelled-edge groove 25 provided in the top 8 of the casing.

From the foregoing, the operation of the device will be readily understood. By sliding the figure 19 and its attached closure plate 23 to the right of Fig. 2, the hook 18 will be disengaged from the loop 17 on the plunger 5, and the cover plate 23 with the attached, pivotally mounted, figure 19 will be moved to uncover the top opening of the chamber 3 so that a stack of cigarettes 4 may be dropped in the chamber. The cover plate 23 is then replaced to the position shown in Figs. 1 and 2 with the hook 18 engaging the loop 17. To eject a cigarette it is merely necessary to press downwardly on the head or front part or nose 26 of the figure 19 and then release the pressure. When the nose 26 of the figure 19 is depressed the plunger 5 is drawn upwardly and acts to draw

back the head 14 on the end of the flexible member 12. Up to this time the head 14 has been supporting the stack, and when it is so drawn rearwardly, the lowermost cigarette in the stack drops down into the part 13 of the passage 6 and positions itself to receive the thrust of the ball 14 on the return stroke of the plunger under the impulse of the spring 9. When manual pressure on the nose of the figure 19 is released, the spring 9 will force the plunger 5 downwardly, bringing the head 14 forwardly to cause it to impinge against the lowermost cigarette in the stack, then resting on the inclined surface 27, and forcing the end of said cigarette out of the exit opening 15 on the support 35 where it can be easily grasped by the fingers and fully withdrawn. It will thus be seen that by merely pressing downward on the nose 26 of the figure 19, and then releasing the pressure, successive cigarettes may be speedily ejected from the chamber 3 until the supply in the chamber is exhausted, whereupon it may be easily filled in the manner described.

In the casing structure shown, I have provided pockets 28, 29 and 30 located upon the opposite sides of the casing 1, these pockets being adapted for the reception of various useful articles such as a pack of cards 31, a pencil, re-

ceivable in the pocket 30, and a pad or bridge scoring device in the pocket 28. However, as previously explained I do not limit my invention to its application in a casing of this specific form, since it may be embodied in a multitude of other articles.

What I claim is:—

A cigarette ejector having a casing formed with a chamber for receiving a stack of cigarettes in superimposed relationship, a removable cover for said chamber, a lever pivoted on said cover and removable therewith, a hook on said lever, the casing having a bore to the rear of the chamber, a spring-pressed plunger in said bore, a spring for normally depressing the plunger, a flexible ejector member secured to the end of the plunger, said ejector member having its end normally extended under the lowermost cigarette in the stack, and a member on the upper end of the plunger for detachably engaging the hook on the lever to cause the ejector member to be withdrawn from beneath the stack to permit the lowermost cigarette therein to descend and position itself in the path of the ejector member by manipulation of the lever.

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30.	105
35.	110
40.	115
45.	120
50.	125
55.	130
60.	135
65.	140
70.	145
75.	150