Feb. 8, 1927. 1,616,864

M. MARTIN

AUTOMATIC CIGARETTE CASE

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Fig. 1.

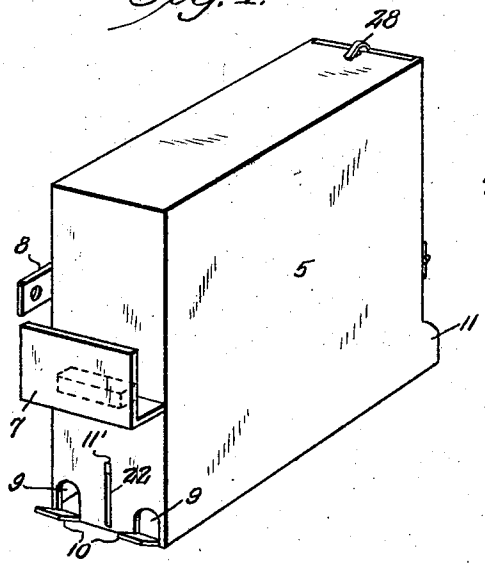


Fig. 2.

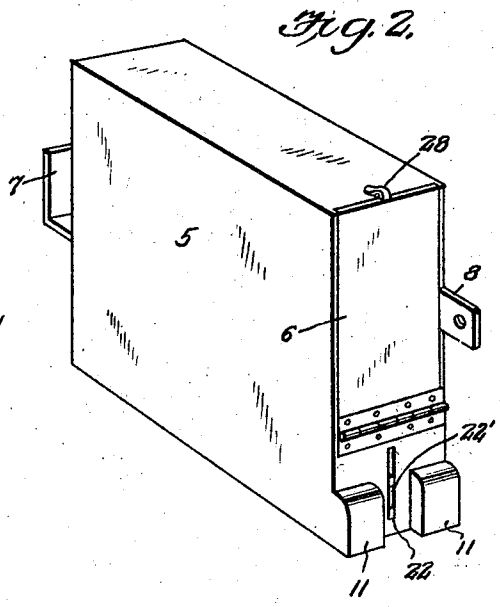


Fig. 7.

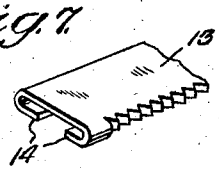


Fig. 6.

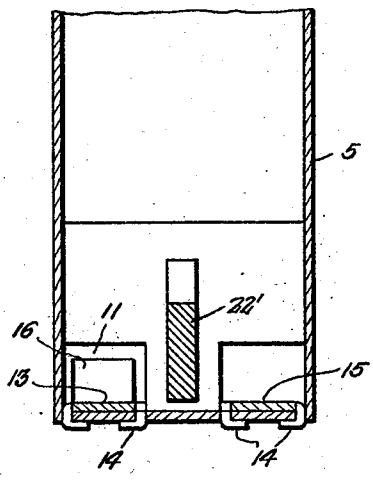
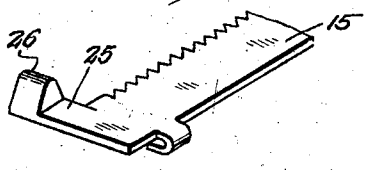


Fig. 8.



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Fig. 3

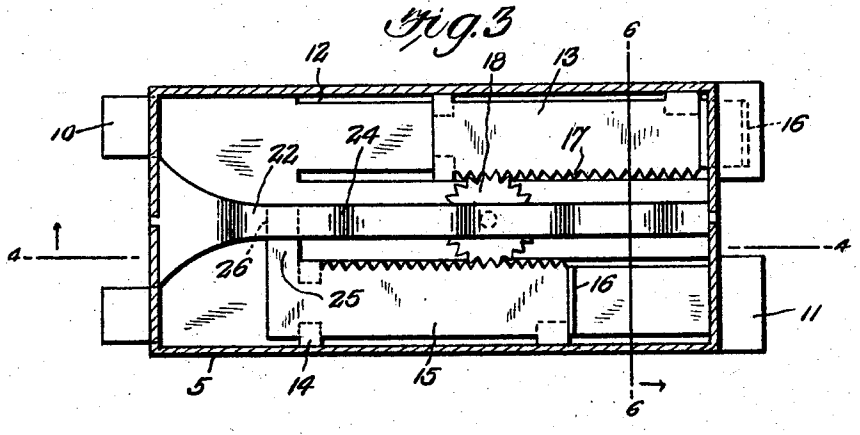
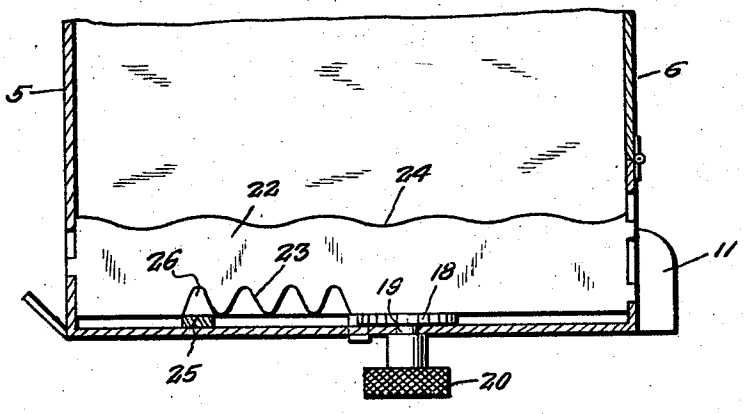


Fig. 4.



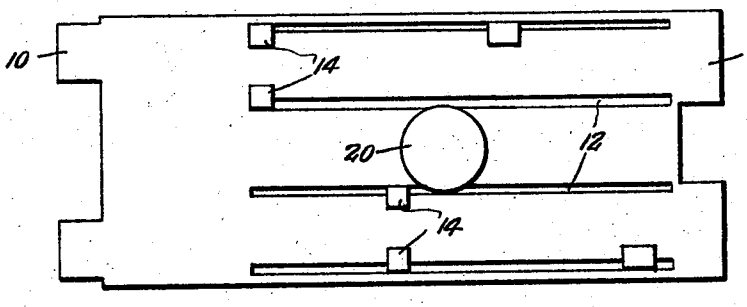


Fig. 5.

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UNITED STATES PATENT OFFICE.

MORRIS MARTIN, OF LOS ANGELES, CALIFORNIA.

AUTOMATIC CIGARETTE CASE.

Application filed April 14, 1926. Serial No. 101,991.

The present invention relates to a cigarette case and has for its prime object to provide a very compact and convenient device of this nature for storing cigarettes and providing means whereby the cigarettes may be individually ejected as desired.

The case was designed primarily for cigarettes, but, of course, may be used for cigars or any other purpose. The case will prove desirable as an accessory to automobiles and the like, but of course, may be used on a smoking stand or in any other desirable circumstance.

A still further very important object of the invention resides in the provision of a case of this nature which is exceedingly simple in its construction, inexpensive to manufacture, efficient and reliable in its operation, not likely to easily become out of order, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a perspective view of the case embodying the features of my invention looking at one end thereof.

Fig. 2 is another perspective thereof looking at the other end thereof,

Fig. 3 is a horizontal section through the case looking downwardly,

Fig. 4 is a fragmentary detail vertical section taken substantially on the line 4—4 of Fig. 3,

Fig. 5 is a bottom plan view of the case,

Fig. 6 is a vertical section taken substantially on the line 6—6 of Fig. 3,

Fig. 7 is a fragmentary detail perspective showing one end of one ejector, and

Fig. 8 is a detail perspective showing one end of the other ejector.

Referring to the drawing in detail, it will be seen that the numeral 5 designates the case generally which is provided at one end with a hinged closure 6 and at the other end with a match box holder 7. Apertured ears 8 project from one wall of the casing 5 so that fastening elements may be passed therethrough for mounting the device on a dash board or any other suitable support. A pair of openings 9 are provided in one end wall adjacent the bottom thereof and have outwardly and upwardly projecting ledges 10 associated therewith. A slot 11 in provided vertically in said end wall of the casing rising from the bottom thereof. At the bottom of the other end wall, there is provided a pair of housing projections 11. The bottom of the casing is provided with two pairs of longitudinally extending slots 12.

An ejector 13 is provided with extensions 14 piercing the slots 12 and then bent inwardly. The other ejector 15 is also provided with extensions 14 for piercing the other pair of slots 12. The rear ends of these ejectors 13 and 15 are provided with upstanding extensions 16. The inner edges of the ejectors are provided with teeth 17. A toothed wheel 18 is mounted on a shaft 19 journaled in the bottom and terminating in an exteriorly disposed knob 20. This toothed wheel 18 meshes with the teeth 17 of the ejectors so that one end is disposed forwardly and the other rearwardly, as is clearly shown in Fig. 3.

When the ejectors are disposed rearwardly the upwardly disposed extensions 16 are positioned in the housing extensions 11. The other end wall is provided with a slot 22 similar to the slot 11′. An agitator 23 has reduced ends slidable in said slots 11′ and 22. The lower edge of the agitator 22 is provided with teeth 23 while the upper edge thereof is irregular as is indicated at 24. An arm 25 projects laterally from the ejector 15 and terminates in a hump 26 for engaging the teeth 23.

It will thus be seen that when the wheel 18 is rotated, one of the ejectors will move forwardly and the other rearwardly, and that as the ejector 15 is moved the hump 26 engages the teeth 23 and will excite the agitator so as to move the same up and down and agitate the cigarettes in the case. The ejector which is moving forwardly ejects a cigarette out of corresponding opening 9, while the ejector which is moving rearwardly will dispose its upstanding extension 16 in the housing extension 11 so that a cigarette may fall thereon to be ejected the next time the toothed wheel 18 is rotated.

It is apparent that the cigarettes are placed in the casing by opening closure 6, which is normally held closed by a catch 28.

It is thought that the construction, operation, utility, and advantages of my inven-

tion will now be clearly understood by those skilled in this art without a more detailed description thereof. The present embodiment of the invention has been disclosed in detail merely by way of example, since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description. It is apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed, or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:—

1. A device of the class described including a casing, a pair of ejectors slidable on the bottom of the casing, said ejectors having teeth on their adjacent side edges, a toothed wheel rotatable on the bottom of the casing and meshing with the teeth of the ejectors, means for rotating the wheel, one end of the casing being provided with a pair of openings, one for each ejector, upstanding extensions on the ejectors, the ends of said casing being provided with vertical slots, an agitator extending longitudinally of the casing having its ends slidable in said slots, the lower edge of said agitator being provided with teeth, an arm projecting from one of the ejectors and terminating in a hump for engaging the teeth of the agitator so as to excite said agitator when the last mentioned ejector is moved.

2. A device of the class described including a casing, a pair of ejectors slidable on the bottom of the casing, said ejectors having teeth on their adjacent side edges, a toothed wheel rotatable on the bottom of the casing and meshing with the teeth of the ejectors, means for rotating the wheel, one end of the casing being provided with a pair of openings, one for each ejector, upstanding extensions on the ejectors, the bottom of said casing being provided with two pairs of longitudinally extending slots, and extensions on the ejectors piercing the slots of the bottom and bent inwardly toward each other.

3. A device of the class described including a casing, a pair of ejectors slidable on the bottom of the casing, said ejectors having teeth on their adjacent side edges a toothed wheel rotatable on the bottom of the casing and meshing with the teeth of the ejectors, means for rotating the wheel, one end of the casing being provided with a pair of openings, one for each ejector, upstanding extensions on the ejectors, said casing being provided with housing extensions at the other end thereof for receiving the upstanding extensions on the ejectors, the ends of said casing being provided with slots, an agitator having reduced ends slidable in said slots, and provided with teeth on its bottom edge, an arm extending from one of the ejectors, and terminating in a hump engaging the teeth of the agitator, said ejectors being provided with extensions piercing slots provided in the bottom of the casing.

In testimony whereof I affix my signature.

MORRIS MARTIN.