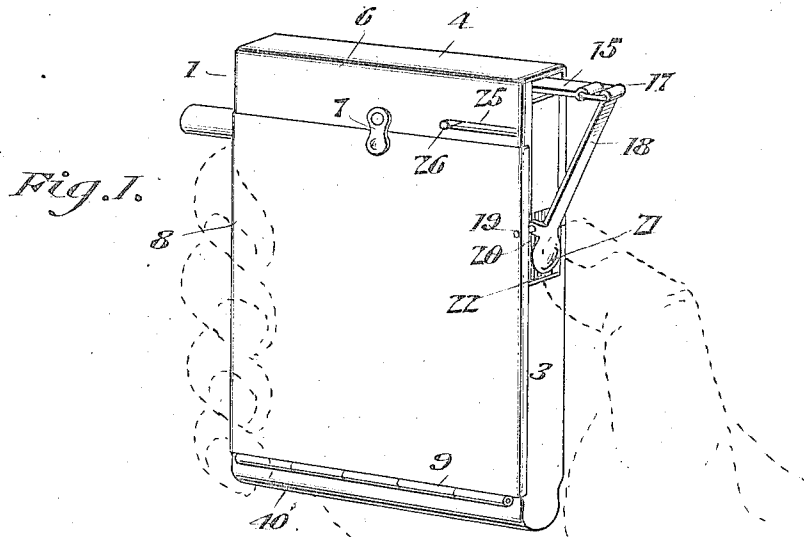
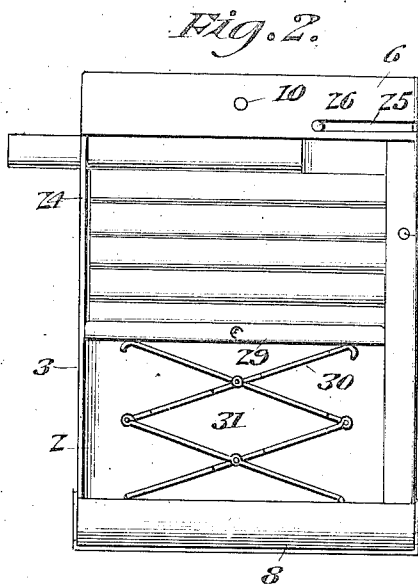
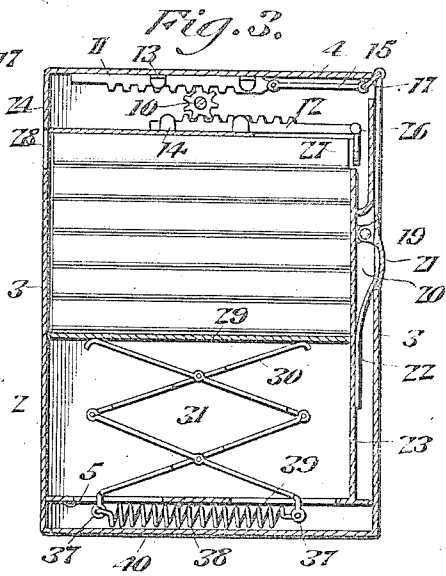


T. CLOOVAS,
CIGARETTE DISPENSING BOX.
APPLICATION FILED JULY 20, 1917.

1,247,225.

Patented Nov. 20, 1917.
2 SHEETS—SHEET 1.



WITNESS

M. A. Siga

INVENTOR

Thomas Cloovas

BY

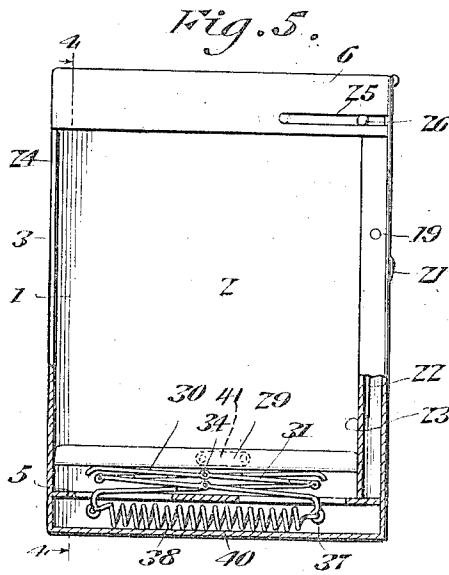
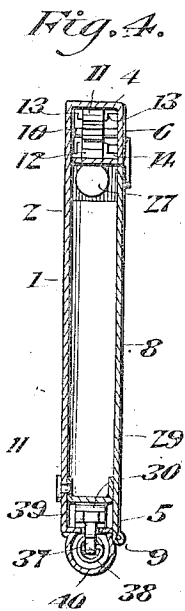
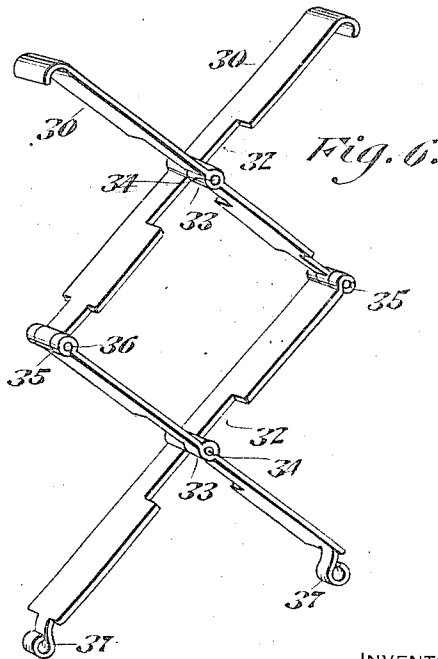
Victor J. Evans

ATTORNEY

T. CLOOVAS.
CIGARETTE DISPENSING BOX.
APPLICATION FILED JULY 20, 1917

1,247,225.

Patented Nov. 20, 1917.
2 SHEETS—SHEET 2.



WITNESS

M. A. [Signature]

INVENTOR

Thomas Cloovas

BY

Victor J. Evans

ATTORNEY

UNITED STATES PATENT OFFICE.

THOMAS CLOOVAS, OF YORKVILLE, OHIO.

CIGARETTE-DISPENSING BOX.

1,247,225.

Specification of Letters Patent.

Patented Nov. 20, 1917.

Application filed July 20, 1917. Serial No. 181,853.

To all whom it may concern:

Be it known that I, THOMAS CLOOVAS, subject of the King of Greece, residing at Yorkville, in the county of Jefferson and State of Ohio, have invented new and useful Improvements in Cigarette-Dispensing Boxes, of which the following is a specification.

This invention relates to pocket cigarette cases and has for its object to provide a device of this character with means for partly projecting the cigarettes, successively, through a suitable opening in the casing, whereby the same may be withdrawn without the necessity of opening the casing.

A further object of the invention is to produce a device of this character which shall be of a simple construction, comparatively cheap to manufacture, easily operated, and positive in its operation.

Other objects and advantages will appear as the nature of the invention is more fully understood, reference being had to the accompanying drawings, in which,

Figure 1 is a perspective view of a cigarette case constructed in accordance with the present invention, illustrating the manner of partly projecting a cigarette therethrough.

Fig. 2 is a front elevation, the cover being in its open position.

Fig. 3 is an approximately central vertical longitudinal sectional view through the device in its closed condition.

Fig. 4 is a sectional view approximately on the line 4—4 of Fig. 5.

Fig. 5 is an elevation partly in section, illustrating the arrangement of parts when the case is empty and about to be refilled with cigarettes.

Fig. 6 is a perspective view illustrating the construction of the lazy tongs.

The case 1, while preferably constructed of metal, may be constructed of any other suitable material, and comprises a hollow open face structure, constituting a back 2, sides 3, a top 4, and a bottom 5. The sides, the top and the bottom are each of a similar width, and formed upon the top, and partly closing the open face of the casing is a compartment 6, the same extending the entire width of the case, and the outer face or plate of the said compartment projecting a suitable distance therebelow, and having arranged thereon, a suitable catch 7 that is designed to engage with the closure 8 which is hingedly secured, as at 9, at the bottom of the case, when the said cover is brought to closing position.

Within the compartment 6, and approximately central thereof, is journaled a toothed wheel 10, the said wheel having its teeth engaged by rack bars 11 and 12 respectively. Both of these bars are mounted for slidable movement in suitable guide means 13 and 14 respectively, the rack bar 11, which is at the upper end of the compartment having secured to, what I will term its outer end, a link 15, the said link passing through a suitable opening in one of the sides of the case. The link is loosely secured, as at 17, to a lever 18, the said lever being pivoted as at 19 in a suitable recess portion 20, upon the referred to side of the casing. The lever 18, at a suitable distance beyond its pivot has formed thereon an enlargement in the nature of a disk 21, and the numeral 22 designates a flat spring which has its free end secured to a partition 23 in the casing, the said partition forming the rear wall of what I have termed the recess 20. The spring normally swings the lever 18 outward of the case, moving the rack bar 11 toward what I will term the front side, indicated by the numeral 24, of the casing, and which movement, turning the toothed wheel 10 will cause the rack bar 11 to be moved in the direction of the rear side of the casing. The inner wall of the compartment 6 is provided with an elongated slot 25, extending from the rear wall of the case, forward a suitable distance therefrom, and the rack bar is provided with an angular finger 26 which is designed to pass through the said slot 25, the end of the finger being provided with an enlargement or disk 27. The disk is normally arranged opposite one of the ends of the uppermost cigarette and is designed to contact with the said end of the said cigarette to move the same through an opening 28 in the side 24 of the casing, when the rack bars are actuated.

Arranged within the case 1 is a trough shaped member 29 that is supported by the upper or outer links or arms 30 of a toggle lever system 31. The links or arms of the system are formed from flat bars which have their confronting edges, at the center thereof, provided with substantially rectangular cut away or depressed portions 32, leaving the metal, at the central portions of the said links at approximately one-half the width of the links proper and the said reduced portions are centrally provided with enlargements or bosses 33 having openings

therethrough, and in these openings are received the pintles 34 for centrally connecting the links. The opposite ends of the intermediate links are slotted and bent upon themselves to provide barrels 35 and passing through these barrels is a pivot 36. The lower links have their ends provided with hook shaped extensions 37 and connected to the said hooks are the ends of a comparatively light convolute spring 38, which has a tendency to swing the links toward each other, and consequently extend the toggle system.

The hooked ends of the lower links of the toggle system are received in elongated slots 39, in a base, and the said slots may be protected by a suitable casing, if desired, while the spring 38 being arranged exteriorly of the case is protected by a suitable housing 40.

The trough 29, when all of the cigarettes have been removed from the case is adapted to be held against the bottom of the case, when the toggle lever system is retracted, through the medium of a suitable catch 41, and when this catch is released, after the filling of the case, the spring 38 will have a tendency to expand the toggle system, and consequently force the trough, in which the lowermost cigarette is arranged, upwardly or toward the compartment 6, bringing one of the cigarettes directly opposite the opening 28 and one of the ends of the said cigarette in the path of contact with the element 27 of the ejector mechanism. As previously stated, the spring 38 is comparatively weak so that the cigarettes will not be unduly compressed against each other and against the under wall of the compartment 6, and whereby the proper projection of the cigarette singly through the opening 28 will be assured. Pressure upon the thumb piece 21 will swing the lever 18 outward of the casing, causing the rack bar 11, through the medium of the connecting link 15 between the said rack bar and the said lever 18 to be moved longitudinally. This movement of the rack bar revolves the toothed wheel 10, which coacting with the rack bar 12 moves the latter in a direction opposite to that of the rack bar 11, causing the disk 27 to contact with one of the ends of the uppermost cigarette to partly project the same through the opening 28, when the said cigarette may

be readily removed by hand. The spring 22 restores the lever 18 and the rack bars to their initial position, arranging the disk 27 to the end of the next cigarette which, through the medium of the spring pressed toggle lever system has been brought in a line with the opening 28.

From the foregoing description, when taken in connection with the accompanying drawings, the construction and operation of the device, will, it is thought, be apparent without further detailed description.

Having thus described the invention, what I claim is:

1. A cigarette case having an opening in one of the sides thereof, a spring influenced toggle lever system in the case, a trough carried by said system designed to arrange a cigarette opposite the opening, a housing in the case outward of the opening, a toothed wheel in the housing, oppositely arranged rack bars engaged by the wheel, an offset element upon one of the rack bars disposed in a slot in the housing and received in the trough in the path of contact with the end of the cigarette, and means, including a spring pressed lever connected with the other rack bar whereby, when actuated, to slide the said rack bar in one direction to turn the toothed wheel to cause the other rack bar to move in another direction to partially project the cigarette through the opening in the case.

2. A cigarette case having an opening in one of the sides thereof, a trough in the case and designed to receive a cigarette, spring pressed means for normally forcing the trough in the direction of the opening, whereby to arrange the cigarette opposite the opening, a housing above the opening, a toothed wheel in the housing, oppositely disposed rack bars engaged by the toothed wheel, a slot in the lower wall of the housing, an extension upon the end of the rack bar disposed opposite the slot and passing through the said slot, whereby the same is arranged in the path of contact with the end of the cigarette, a link connected with the other rack bar, a spring influenced pivoted lever connected with the link and with the case and a finger piece upon said lever.

In testimony whereof I affix my signature.

THOMAS CLOOVAS.