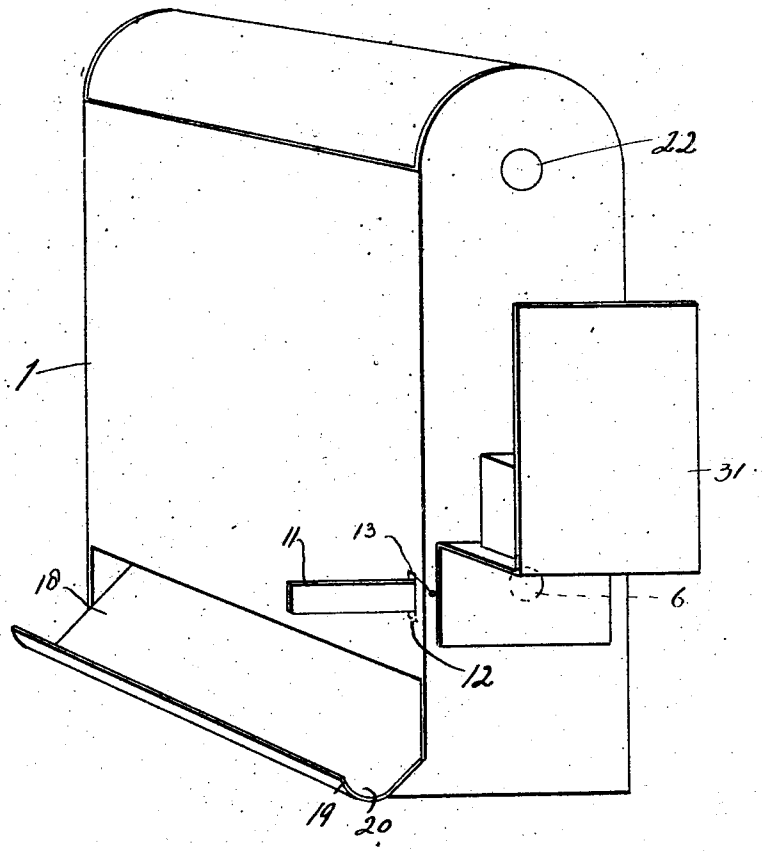
Aug. 16, 1927. 1,639,295

C. JESNIG

AUTOMATIC CIGARETTE DELIVERING CONTAINER

Original Filed July 1, 1924 3 Sheets-Sheet 1

Fig. 1.



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Aug. 16, 1927. 1,639,295

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Original Filed July 1, 1924 3 Sheets-Sheet 2

Fig. 2.

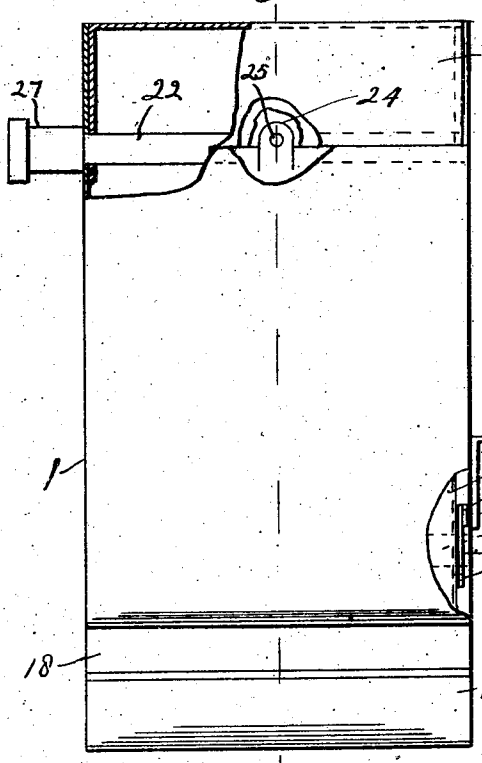


Fig. 3.

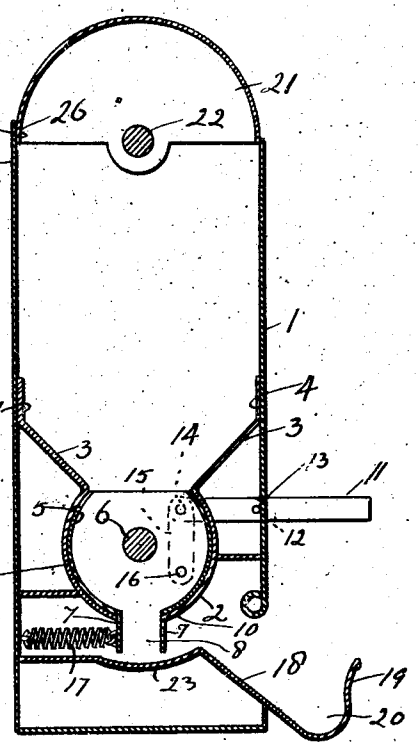
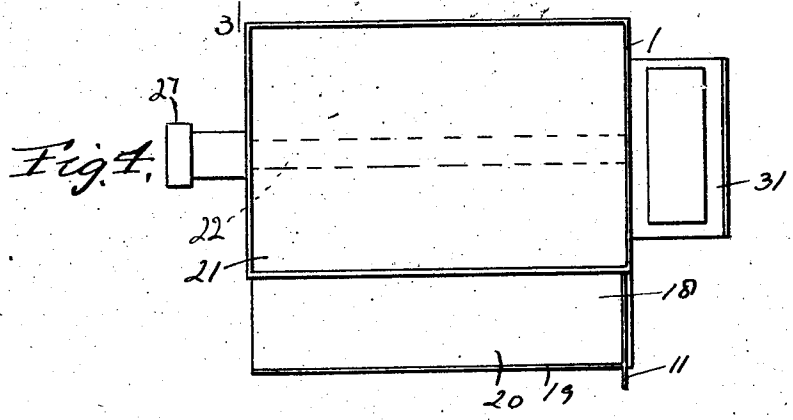


Fig. 4.



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Original Filed July 1, 1924 3 Sheets-Sheet 3

Fig. 5.

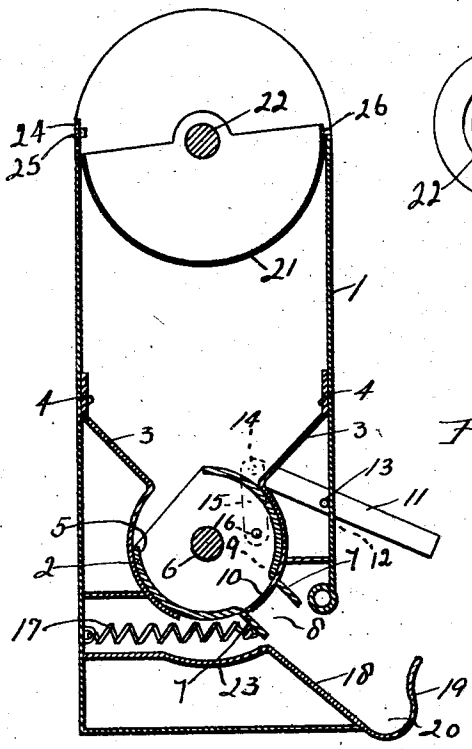


Fig. 10.

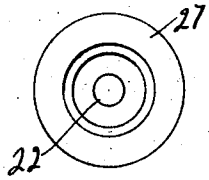


Fig. 11.

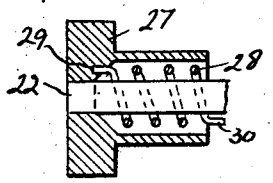


Fig. 7.

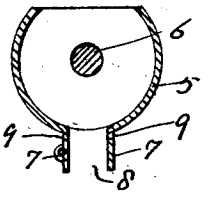


Fig. 8.

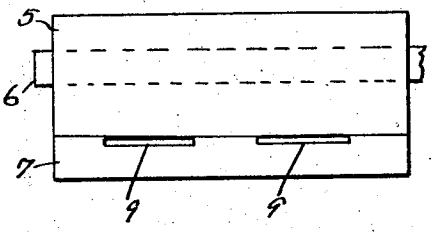


Fig. 6.

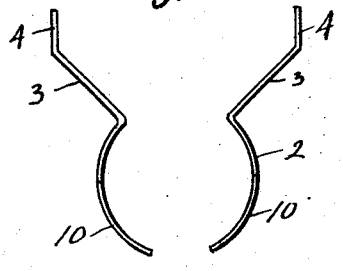
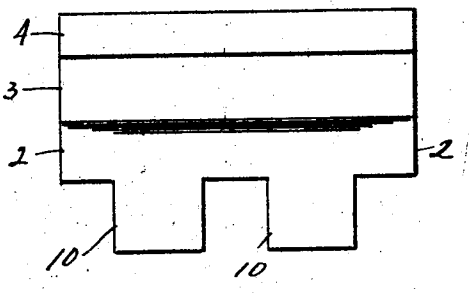


Fig 9



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Patented Aug. 16, 1927. 1,639,295

UNITED STATES PATENT OFFICE.

CHARLES JESNIG, OF PHILADELPHIA, PENNSYLVANIA.

AUTOMATIC CIGARETTE-DELIVERING CONTAINER.

Application filed July 1, 1924, Serial No. 723,522. Renewed May 28, 1927.

My invention relates to a new and useful improvement in automatic cigarette delivering containers, and has for its object to provide a simple and effective device of this description in which a number of cigarettes may be stored and from which they may be delivered one by one to a suitable tray so as to be in easy access for removal.

A further object of this invention is to provide for readily charging the container with the cigarettes so that the latter will lie parallel.

A still further object of my invention is to so construct the delivery mechanism that a number of the cigarettes will be held in a cradle from which only a single cigarette can be delivered when this cradle is swung against the action of a spring.

With these and other objects in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains, may understand how to make and use the same, I will describe its construction in detail, referring by numerals to the accompanying drawings forming a part of this application, in which:—

Fig. 1, is a perspective of my improved device.

Fig. 2, is a front elevation partially broken away to show certain portions of the construction.

Fig. 3, is a vertical section on the line 3—3 of Fig. 2.

Fig. 4, is a plan view of the device.

Fig. 5, is a section similar to Fig. 3 showing the cradle swung to the position for delivering a cigarette.

Fig. 6, is a detail edge view of the cradle housing.

Fig. 7, is a detail section of the cradle in the position it normally assumes.

Fig. 8, is a front elevation of Fig. 7.

Fig. 9, is a front elevation of the cradle housing shown in Fig. 6.

Fig. 10, is an enlarged inner end view of the operating knob.

Fig. 11, is a section of Fig. 10 showing the spring for returning the top of the container to its closed position after it has been utilized for properly charging the container with a supply of cigarettes.

In carrying out my invention as here embodied, 1 represents the body or casing of the device which may be of any suitable construction here shown as rectangular and preferably made of sheet metal stampings and this casing has secured in the lower portion thereof a cradle housing 2 cylindrical in cross section and having the upper portion thereof flared outward as indicated at 3, the flanges 4 thereof being secured in any convenient manner to the inner side walls of the casing.

5 represents a cradle of such shape as to fit and oscillate within the housing 2 and this cradle is mounted upon the shaft 6, said shaft being journalled in the side walls of the casing or the shaft may be secured in the side walls of the casing and the cradle mounted thereon so as to revolve independent thereof, either construction serving the same purpose. This cradle is provided with wings 7 to form an outlet passage 8 from the cradle each of the wings being slotted as indicated at 9 in order that the sections 10 of the housing may pass through the slots 9 so as to permit the oscillation of the cradle.

11 represents an operating lever which extends through a slot 12 in the front of the casing and is pivoted at 13 its inner end being pivoted at 14 to the link 15, the latter in turn being pivoted at 16 to one of the end walls of the cradle.

By this arrangement the depression of the lever 11 will oscillate the cradle from the position shown in Fig. 3 to the position shown in Fig. 5 for the purpose hereinafter set forth and when the lever is released the spring 17 will return the cradle and lever to their normal positions.

18 represents a chute or an inclined plate terminating in an upturned flange 19 whereby a scoop shaped ledge 20 is formed for the reception of a cigarette when ejected from the device.

21 represents a cover for the top of the

casing and this cover is semi-cylindrical in cross section and is secured upon the spindle 22 the latter being journalled in the side walls of the casing so that when this cover is closed it will form a rounded top to the casing and when the device is to be filled or charged with cigarettes this cover is swung to the position shown in Fig. 5 when it forms a tray in which a number of cigarettes may be readily placed end for end and in which they will assume a parallelism so that when the cover is swung to its normally closed position as shown in Figs. 1, 2 and 3, the cigarettes will be dumped from the tray into the body of the casing in proper alignment without care upon the part of the operator.

As the cigarettes are dumped into the body of the device from the tray the lower layers thereof will tend to converge toward the opening into the housing 2 through the influence of the inclined surfaces 3 and in entering the cradle will be further kept in alignment by the shaft 6 which will cause them to roll to each side of said shaft in filling this cradle as will be readily understood.

From the foregoing description it will be seen that when the device is charged with cigarettes the depression of the lever 11 will oscillate the cradle from the position shown in Fig. 3 to the position shown in Fig. 5 and in so doing will swing the wings 7 into alignment with the chute 18 permitting a single cigarette to fall from the passageway 8 to the chute in order that it may reach the receiving ledge 20 and more than one cigarette at a time is prevented from being delivered to the chute by the curvature of the shield 23 which may be formed with the chute or separate therefrom as best suits the purposes of construction and this shield limiting the passage of more than one cigarette to the passageway 8 and when the cradle is oscillated to swing the wings 7 outward the sections 10 of the housings remaining stationary act as cutoffs to prevent another cigarette from gaining access to the passageway 8 until the one already therein is delivered to the chute and the wings are returned to their normal position shown in Fig. 3.

Also the oscillating of the cradle carries one of the upper edges thereof across the path of the cigarettes moving downward to the cradle and thus prevents an overloading or crowding in said cradle.

For convenience in holding the cover 1 in its normally closed position a spring 24 may be either formed from the metal of a back of the casing by slotting a portion thereof or this spring may be a separate piece secured to the back of the casing and having a small projection 25 thereon for latching a corresponding depression 26 formed in one edge of the cover so that when the cover is in its closed position this projection will spring into this depression and serve as a latch.

If desired the spindle 22 may have mounted thereon the knob 27 the shank of which may be hollow for the reception of the coil spring 29 one end of which is secured in the knob as indicated at 29 while the other end 30 is secured to the casing so that when the knob is turned to revolve the spindle 22 the spring will be wound to a certain tension sufficient to return the cover to its normally closed position when the knob is released.

If desired a match box holder 31 may be secured to one wall of the casing so as to form a permanent part of the device and also the casing may have an ash tray secured to the bottom thereof to serve as a base as well as an ash tray.

Of course I do not wish to be limited to the exact details of construction as herein shown as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

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

1. A cigarette delivering device comprising a casing, a cradle housing within the casing provided with inwardly projecting reduced sections, an oscillating cradle mounted in the housing, spaced depending wings carried by the cradle and having slots for registration with the reduced sections of the housing whereby the lowermost cigarette will be separated from the others in the cradle when the latter is oscillated, and means disposed beneath the cradle and fashioned to retain said lowermost cigarette in the space between the wings until the cradle is oscillated.

2. A cigarette delivering device comprising a casing, a cradle housing within the casing provided with inwardly projecting reduced sections, an oscillating cradle mounted in the housing, spaced depending wings carried by the cradle and having slots for registration with the reduced sections of the housing whereby the lowermost cigarette will be separated from the others in the cradle when the latter is oscillated, an arcuate shield disposed beneath the cradle and coacting with said wings to constitute a closure until said wings move past the shield during oscillation, and a chute leading from said shield.

3. A cigarette delivering device comprising a casing, a cradle housing within the casing provided with inwardly projecting reduced sections, an oscillating cradle mounted in the housing, spaced depending wings carried by the cradle and having slots for registration with the reduced sections of the housing whereby the lowermost cigarette will be separated from the others in the cradle when the latter is oscillated, an

arcuate shield disposed beneath the cradle and coacting with said wings to constitute a closure until said wings move past the shield during oscillation, a chute leading from said shield, means to oscillate said cradle in one direction, said means comprising a lever pivoted intermediate its ends to a wall of the casing and a link pivoted to the lever and cradle, and means to oscillate said cradle in the opposite direction.

In testimony whereof, I have hereunto affixed my signature.

CHARLES JESNIG.