July 14, 1931. N. P. HRISSULAKIS 1,814,929

SMOKER'S OUTFIT

Filed April 2, 1928

Fig. 1.

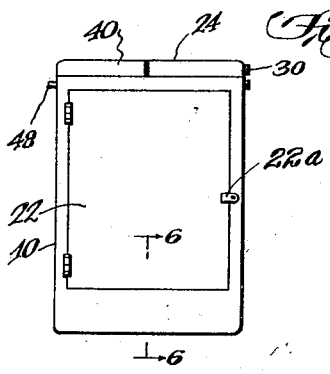


Fig. 2.

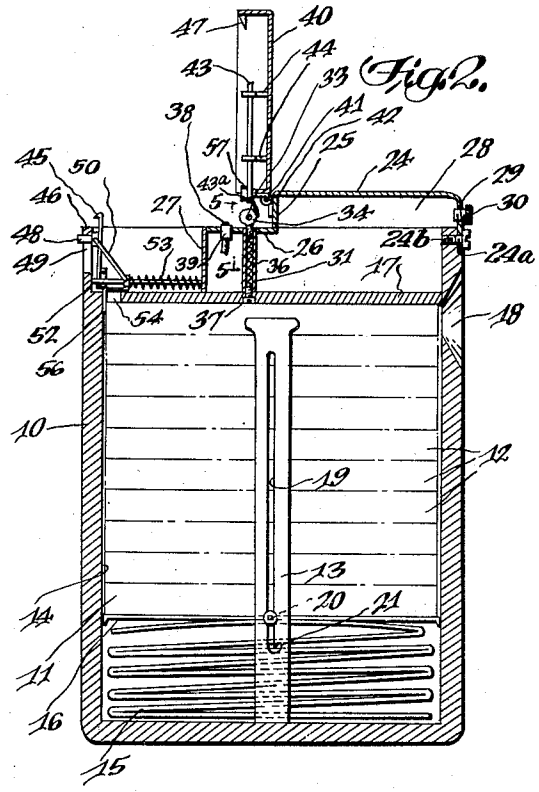


Fig. 3.

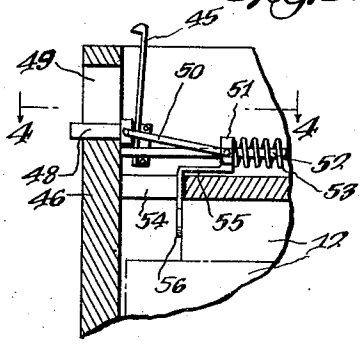


Fig. 4.

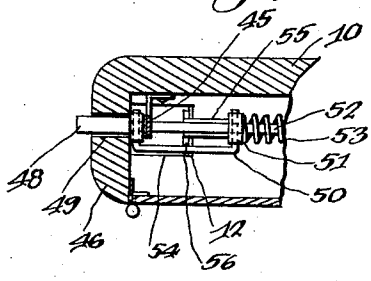


Fig. 5.

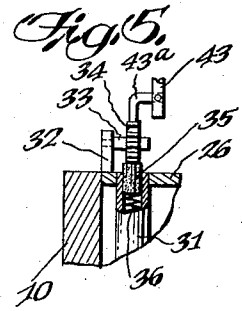
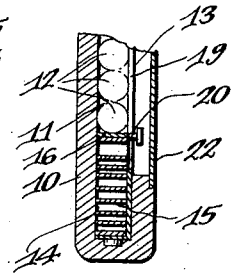


Fig. 6.



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UNITED STATES PATENT OFFICE

NIKOLAOS P. HRISSULAKIS, OF CHICAGO, ILLINOIS

SMOKER'S OUTFIT

Application filed April 2, 1928. Serial No. 266,789.

This invention relates to certain novel improvements in smoker's outfits, and consists in a novel combination and arrangement of parts which will behighly efficient in use and economical in manufacture.

It is among the objects of the invention to provide a smoker's outfit which will comprise a housing for cigarettes and the like and an ignition means therefor.

Another object of the invention is to provide a smoker's outfit which will embody an ignition means which will be automatically operated when the device is opened for use.

Another object of the invention is to provide a storage space in the outfit for cigarettes and the like which will be arranged such that cigarettes will be ejected from the device by the operation of certain mechanisms.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings, showing the preferred form of construction and in which:

Fig. 1 is a side elevational view of a device which embodies a preferred form of construction for my invention;

Fig. 2 is a vertical sectional view of the device illustrated in Fig. 1;

Fig. 3 is a detail view drawn on an enlarged scale depicting certain of the operating elements of my device;

Fig. 4 is a sectional view taken substantially on the line 4—4 on Fig. 3;

Fig. 5 is a sectional detail view taken substantially on the line 5—5 on Fig. 2; and

Fig. 6 is a sectional detail view taken substantially on the line 6—6 on Fig. 1.

In the drawings, wherein a preferred embodiment of my invention is illustrated, 10 indicates a housing which is arranged so as to provide a magazine 11. The magazine 11 is adapted to be of a size such that it will receive the articles to be positioned therein in a manner such that they will be arranged in a definite order and in the present instance this magazine 11 is adapted to receive cigarettes 12 which are arranged so that they will be disposed one above the other in the manner best illustrated in Figs. 2 and 6.

In order to retain the cigarettes in position in the magazine 11 a spring clip 13 is provided which is adapted to be anchored to one wall of the recess 14 provided in the body portion 10 so as to be in communication with the magazine 11. An expansible spring 15 is mounted in the recess 14 and acts against a plate 16 which is arranged so as to be reciprocal along the side walls of the magazine 11 and the cigarettes 12 are adapted to be disposed above this plate and the spring 15 acts against the plate 16 to force the cigarettes 12 toward the delivery end thereof. A plate 17 is provided at the upper end of the magazine 11 which limits upward movement of the cigarettes and tends to position the cigarette to be delivered in proper relation to the delivery opening 18. A slot 19 is provided in the spring clip 13 and a pin 20 is provided on the plate 16 which extends through this slot and the lower end of the slot 19 is arranged so as to include an upwardly extending portion 21 which in effect forms a bayonet slot and the pin 20 is fitted in this upwardly extending portion so as to retain the plate 16 in its lowermost position during the loading of the magazine 11. A removable plate 22 is disposed on the outer side of the housing 10 and covers the magazine 11. Removal of this plate permits the insertion of cigarettes into said magazine and this removable plate 22 is held in position in any approved manner as by the pivotally mounted latch 22*a*.

Disposed above the wall 17 and extending parallel thereto for a predetermined distance across the upper side of the body portion 10, is a wall 24. The wall 24 includes a downwardly bent end portion which extends into a shoulder recess 24*a* in the upper end of one of the end walls of the housing 10 and a bolt 24*b* extends through this portion of the wall 24 into said wall of the housing 10. A wall 25 extends downwardly from the wall 24 for a short distance and a wall 26, parallel to the wall 17, is arranged at the lower end of the wall 25. A wall 27 extends between the walls, 26 and 17. The walls 17, 24, 25, 26, 27, and

the upper portions of the walls of the housing 10 co-operate to define a chamber 28, which has an inlet opening 29 co-operating therewith that is normally closed by a plug 30. If desired, the chamber 28 may be filled with fibrous material such as cotton and this chamber serves as storage space for an ignitible fluid which is adapted to be introduced into this chamber 28 through the opening 29 when the plug 30 is removed. A sleeve 31 extends across the chamber 28 between the walls 17 and 26.

Mounted on the wall 26 is a bracket 32 which supports a shaft 33 on which an abrasion wheel 34 is mounted. The abrasion wheel 34 is disposed in alignment with the interior of the sleeve 31 and a flint 35 is arranged in this sleeve 31 and is acted on by a spring 36 mounted in the sleeve 31 so as to be forced against the abrasion wheel 34. A screw 37 is provided in the wall 17 which holds the spring 36 in position. When the abrasion wheel 34 is rotated, it acts on the flint 35 to create sparks and these sparks ignite the fuel fed through the wick 38 which is mounted on the sleeve 39 that is disposed in the wall 26 adjacent the abrasion wheel 34 and this wick 38 extends into the chamber 28 so as to withdraw fuel therefrom.

The portion of the upper side of the housing 10 not closed by the wall 24 is closed by a lid 40 which is hingedly mounted at the juncture between the walls 24 and 25 as indicated at 41. This hinged lid is urged into open position by a spring 42. A shaft 43 is provided which is fixed in the brackets 44 carried on the lid 40. A pawl 43*a* is mounted on the shaft 43. The shaft 43 moves with the lid 40. As the lid 40 moves to open position the pawl 43*a* engages ratchet teeth on the abrasion wheel 34 which is mounted on the shaft 33 and rotates this wheel to create a spark. On the closing movement of the lid this pawl rides over these teeth and no movement of the abrasion wheel 34 results. A yieldable retaining lug 45 is mounted on the interior of the body portion 10 adjacent the side wall 46 thereof. A retaining lug 47 is mounted in the free end of the lid 40. When the lid 40 is disposed in closing position the lug 45 engages the lug 47 so as to retain the lid 40 in this position. A button 48 is mounted in the slot 49 provided in the wall 46 and is normally disposed in the position depicted in Fig. 2 and by pressing down on the plunger 48 so that said plunger will move through the slot 49, the lug 45 may be moved from retaining position relative to the lug 47 and this will permit the spring 42 to act on the lid 40 to move it into open position, which is depicted in Fig. 2, and this movement of the lid 40 will act on the rod 43 to cause the wheel 34 to be rotated so as to ignite the fuel emitted from the wick 38. It is therefore apparent that by releasing the lid closing the compartment in which the wick 39 is mounted, fuel emitted from said wick will be ignited.

In order to eject cigarettes through the opening 18 I provide the following mechanisms which are actuated from the plunger 48. A link 50 has one end connected to the inner end of the button 48 and the opposite end of this link is pivotally connected to a collar 51. The collar 51 is slidably mounted on a rod 52 and a spring 53 is disposed around this rod 52 between the wall 26 and the collar 51 so as to urge said collar 51 in a direction away from the wall 26. This action of the spring 53 holds the button 48 under normal conditions in the position which is depicted in Figure 2. In the wall 17 an opening 54 is provided in the portion thereof opposite the portion above the opening 18. A substantially L-shaped plate 55 has one end thereof connected to the collar 51 and the opposite end 56 of this plate extends through the opening 54 and under normal conditions is disposed behind the end of the cigarettes in engagement with the wall 17, said downwardly extending leg 56 of the member 55 being disposed adjacent the wall opposite the opening 18 when the button 48 is in uppermost position. When the button 48 is moved from this uppermost position to the position depicted in Fig. 3, the collar 51 is moved along the rod 52 and this moves the leg 56 along the opening 54 and in this manner the cigarette in engagement with the wall 17 is forced out through the opening 18. When the button 48 is released, the spring 53 returns the button 48 to its normal inoperative position and the spring 15 forces the plate 16 upwardly so as to position another cigarette in engagement with the wall 17.

As has been pointed out, when the button 48 is moved downwardly through the slot 49, the lid 40 of the device is forced by spring 42 to move into position shown in Fig. 2, which actuates the abrasion wheel such that a spark is created which causes ignition of the fuel emitted by the wick 38. Therefore, after the button 48 has been moved down to eject a portion of the cigarette through the opening 18, the cigarette is withdrawn from the housing 10 and is lit by the flame from the wick 38. When the lid 40 is moved downwardly such that the lug 47 will be re-engaged by the retaining lug a cap 57 fits over the top of the wick 38 and extinguishes the flame said cap 57 being carried by the lid 40.

It is apparent from the foregoing description that I have provided a device which will be arranged such that a cigarette may be ejected from the container without opening the container and then by releasing the lid of the container ignition means will be actuated and lighted so that the cigarette ejected from the container may be easily ignited.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification, without departing from the spirit of my invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

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

A device of the class described comprising a housing having a partition extending across one end thereof in spaced relation to said end, means for forcing articles toward said partition, said housing having a discharge opening therein in alignment with the article in engagement with said partition, said partition having an opening therein in the end thereof remote from said opening in said housing, said housing having an opening in the portions thereof extending beyond said partitions disposed in juxtaposition to the opening in said partition, finger gripping means extended through said last named opening in said housing, article engaging means extending through the opening in said partition into engagement with the article engaging said partition, said article engaging means including an L-shaped member having a foot portion extended over said partition, a rod extended parallel of said partition and thereabove, a collar slidably mounted on said rod, said collar being connected to the foot portion of said L-shaped member, an arm pivotally connecting said collar to said finger gripping portion, a spring member for urging said L-shaped member and said finger gripping portion into inoperative position, whereby movement of said finger gripping portion will be transmitted to the article engaging portion of said L-shaped member to force the article in engagement with said partition through said discharge opening.

In testimony whereof I affix my signature.

NIKOLAOS P. HRISSULAKIS.