July 11, 1933. H. R. DAVIDSON 1,917,952

CIGARETTE DISPENSER AND IGNITER

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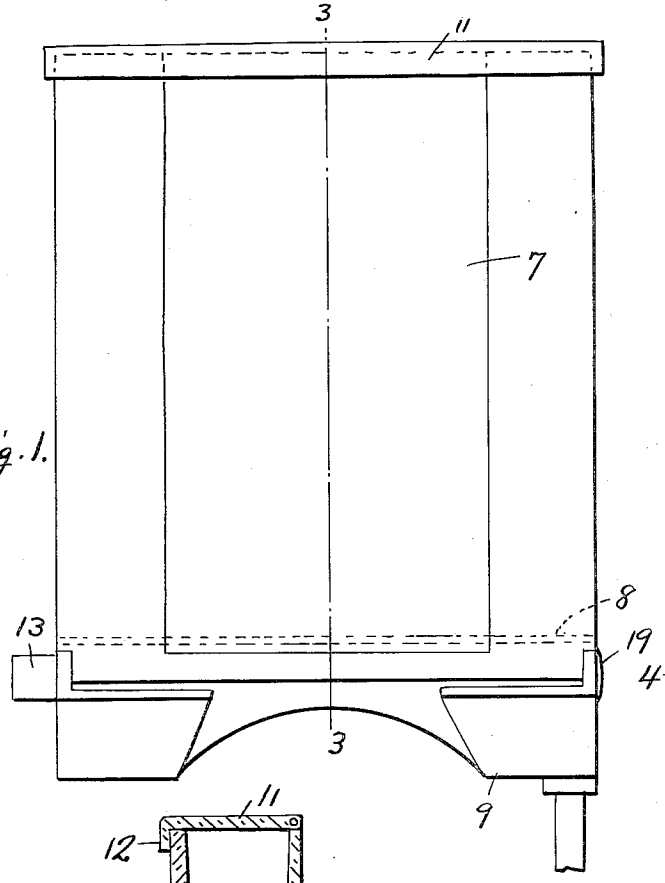


Fig. 1.

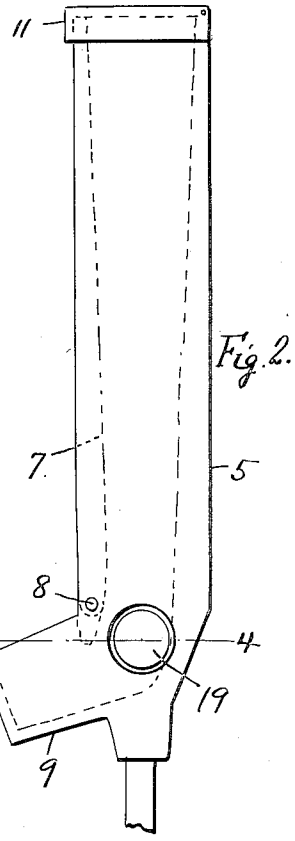


Fig. 2.

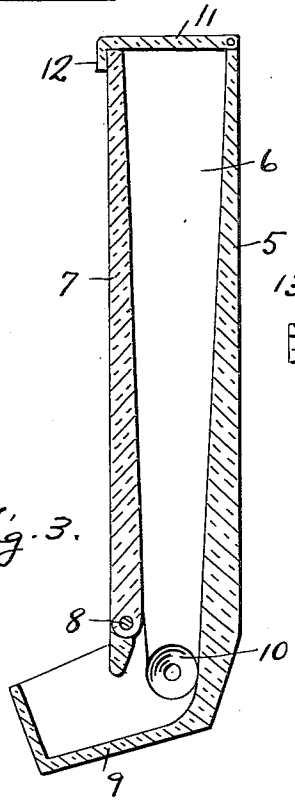


Fig. 3.

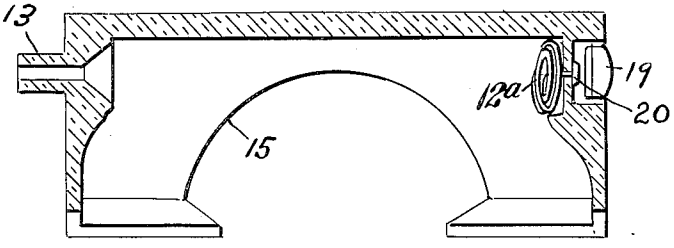


Fig. 4.

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CIGARETTE DISPENSER AND IGNITER

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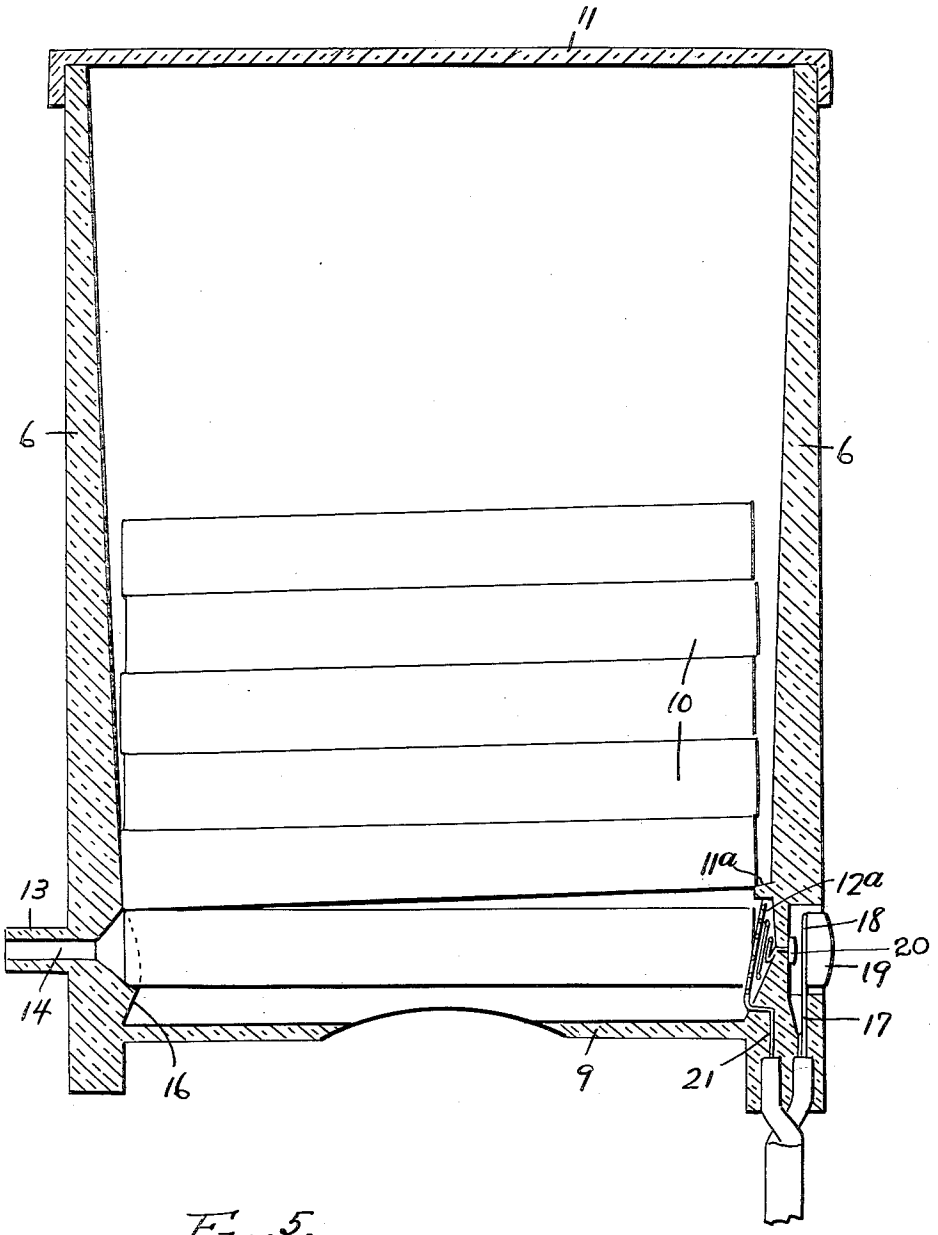


Fig. 5.

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UNITED STATES PATENT OFFICE

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CIGARETTE DISPENSER AND IGNITER

Application filed June 14, 1932. Serial No. 617,190.

This invention appertains to new and useful improvements in means for containing, dispensing and igniting cigarettes.

The principal object of this invention is to provide a novel dispenser for cigarettes wherein igniting means is provided whereby the cigarettes will become ignited as they are individually dispensed.

Another important object of the invention is to provide a combination cigarette dispenser and igniter wherein the cigarettes are automatically ignited as they are dispensed from the dispenser.

These and various other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:—

Figure 1 represents a front elevational view of the novel dispenser.

Fig. 2 represents a side elevational view of the dispenser.

Fig. 3 represents a vertical sectional view taken substantially on line 3—3 of Fig. 1.

Fig. 4 represents a horizontal sectional view taken substantially on line 4—4 of Fig. 2.

Fig. 5 represents a vertical sectional view through the novel dispenser.

Referring to the drawings wherein like numerals designate like parts, it can be seen that the dispenser includes a hopper-like container consisting of a rear wall 5, side walls 6—6, and a swingable front wall 7, the latter being mounted on the pivot pin 8.

Inclined downwardly is a hopper 9 leading from the lower portion of the container and as is clearly shown in Fig. 3, the front and rear walls 7 and 5 respectively taper upwardly so as to afford a downwardly narrowing passageway for the cigarettes 10.

Upon the hopper is located a closure 11 having a lip 12 which extends over the upper portion of the closure 7 and obviously by lifting this, the supply of cigarettes can be replenished. Furthermore, the closure 7 can be manipulated to afford access to the interior of the container.

Referring now to Fig. 5, it can be seen that the side walls 6—6 also taper upwardly to afford a downwardly gradually constricting passageway for the aforementioned cigarettes 10.

Adjacent the lower end of the cigarette chamber is a lip 11*a* on one side wall 6 upon which one end of a lowermost cigarette of the pack can rest to support the load while the sole underlying cigarette is in a horizontal position such as is shown in Fig. 5.

On a line with the igniting element 12*a* on one side wall 6 is located a nipple 13 on the opposite side wall 6, this nipple having a bore 14 extending therethrough. To this nipple a suction device can be connected for promoting a draft through the cigarette during the igniting thereof, it being understood, that if desired the suction device (not shown) can be electrically operated and connected in series with the element 12*a*.

As can be clearly seen in Figs. 1 and 4, the front wall and bottom of the trough 9 are cut away as at 15 to afford space for the fingers when extracting a cigarette from the said drawer.

It can not be seen, that as the cigarettes are released from the lip 11*a* by removal of the lowermost cigarette, the cigarette at one end falls upon and is supported by the formation 16, while the opposite end of the said cigarette rests upon the inclined igniter 12*a* in the manner substantially shown in Fig. 5.

Numeral 17 represents a battery lead to the contactor 18 of a switch which is provided with a button 19 and opposed to this contactor 18 is the stationary contact 20 connected directly to the igniter 12*a*. The opposite side of the battery is connected by way of the conductor 21 to the igniter 12*a*.

Obviously, when the switch contactor 18 is brought into contact with the contact 20, the igniter 12*a* is energized, affording sufficient incandescence to ignite the adjacent end of the cigarette which by engaging the fingers into the opening 15 can be removed, or if this is not done soon enough, burning of this end of the cigarette will release the cigarette so that it will fall into the trough where it can be easily removed.

While the foregoing specification sets

forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

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

1. A cigarette dispenser and igniter comprising a hopper, an inwardly protruding formation at the lower end of the hopper on one side wall thereof, an igniting element on the opposite side wall mounted with its cigarette contact face inclined, said formation and igniting element being in horizontally spaced relation for supporting a cigarette in a substantially horizontal position, until released by the burning away of the cigarette at one end by the said igniting element.

2. A cigarette dispenser and igniter comprising a hopper, an inwardly protruding formation at the lower end of the hopper on one side wall thereof, an igniting element on the opposite side wall mounted with its cigarette contact face inclined, said formation and igniting element being in horizontally spaced relation for supporting a cigarette in a substantially horizontal position, until released by the burning away of the cigarette at one end by the said igniting element, and a lip projecting inwardly of the hopper above the said igniting element to support the cigarettes stacked above the cigarette being ignited in an inclined position so that the cigarettes will successively feed to each first engage the protruding formation before coming to rest at its opposite end against the igniting element.

In testimony whereof he affixed his signature.

HAROLD R. DAVIDSON.