Feb. 27, 1940. J. MALICKI 2,191,672

CIGARETTE HOLDER

Filed Oct. 22, 1938

Fig. 2.

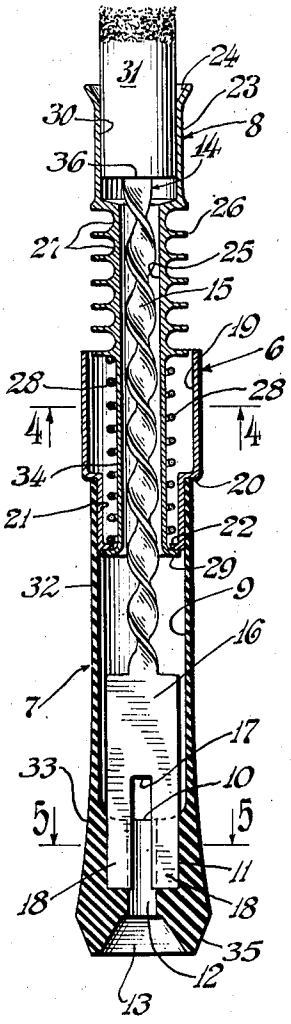


Fig. 1.

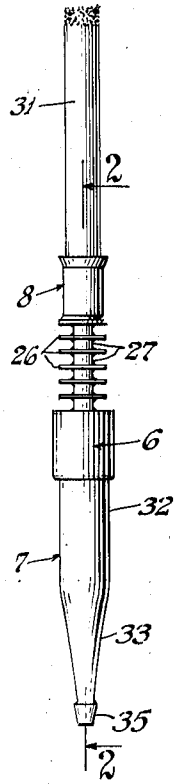


Fig. 3.

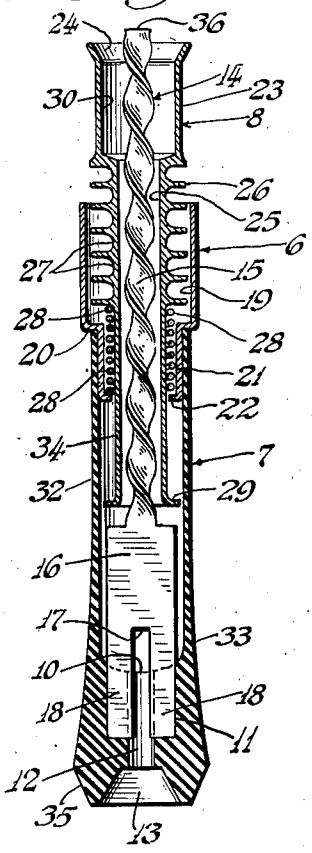
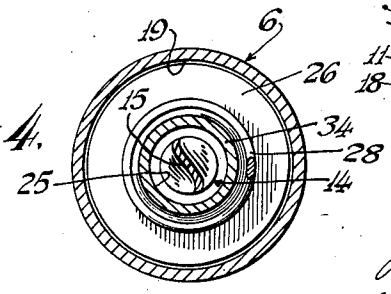


Fig. 5.

Fig. 4.



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2,191,672

CIGARETTE HOLDER

John Malicki, Chicago, Ill.

Application October 22, 1938, Serial No. 236,527

1 Claim. (Cl. 131—182)

This invention relates to cigarette holders and has for one of its objects the provision of an ejection mechanism which will eject the stub of a cigarette after smoking.

Another object of the invention is the provision of a series of cooling flanges which dissipate the heat of the smoke and present a cool smoke to the smoker.

Another object of the invention is the provision of a condenser for condensing the nicotine and preventing the saliva from passing into the cigarette.

Another object of the invention is the provision of a simple, practical, useful article which is also economical to manufacture in quantity production.

Other objects may become apparent by reference to the description, and to the drawing, wherein like numerals represent like parts and in which;

Fig. 1 is a front view showing the assembly of the various parts comprising the cigarette holder.

Fig. 2 is an enlarged longitudinal cross-sectional view on the line 2—2 of Figure 1, showing the article holding a cigarette stub just prior to its ejection.

Fig. 3 is a longitudinal cross-sectional view showing the ejector mechanism in depressed position, the cigarette stub having been ejected.

Fig. 4 is a transversal cross-sectional view on the line 4—4 of Figure 2.

Fig. 5 is a transversal cross-sectional view on the line 5—5 of Figure 2, showing the oval construction of the mouth piece, and the slots which hold the condenser in place.

Referring to the drawing the numeral 7 designates the mouth-piece, the numeral 6 generally designates the adapter ferrule, and the numeral 8 generally designates the cigarette holder and ejector mechanism.

The mouth-piece generally designated by the numeral 7 is comprised of a piece of rubber, Bakelite, or other suitable material, having a circular portion 32 substantially along its length, the remainder of the mouth-piece 7 being flat or tapered as indicated by the numeral 33. The mouth-piece 7 is provided with a bead designated by 35 which is the portion fitting into the mouth of a smoker.

The mouth-piece 7 is provided with a circular bore designated by the numeral 9 and which terminates in a shouldered end designated by the numeral 10. The bore 9 is connected to the opening 13 in the mouth-piece 35 thru the reduced bore designated by the numeral 12.

The mouth-piece is also provided with two slotted portions 11 in order to receive the ends 18 of the spiral ejector member, and helps to locate the same in the proper position relative to the mouth-piece designated by the numeral 7.

The combination ejector and condenser member designated by the numeral 16 has a flat portion at one end, which is slotted as designated by the numeral 17, and which provides two prongs designated by the numeral 18. These prongs fit snugly into the recesses or slotted portions designated 11.

The flat portion 16 terminates in a reduced portion designated by the numeral 14, which is twisted into a spiral form designated by the numeral 15. The action of this portion will be explained after the other component elements of the holder have been described.

Into the mouth-piece designated by the numeral 7 is fitted, by a press fit, the ferrule member designated by the numeral 6, which comprises a body portion and a reduced neck portion designated by the numeral 21.

The body portion has a recess or bore designated by the numeral 19, and the neck portion 21 terminates with a slight bead or shoulder portion designated by the numeral 22. The outer surface of the shoulder 21 fits snugly into the recess 9 of the mouth-piece designated by the numeral 7; the mouth-piece end abutting the shoulder 20 of the ferrule member 6.

The cigarette holding member designated generally by the numeral 8 has a cup shaped portion designated by the numeral 23 provided with a bore 30 to receive snugly the diameter of a cigarette designated by the numeral 31.

The top portion of the cup 23 is slightly enlarged as shown and designated by the numeral 24, so that the cigarette may be easily located when inserting the same in the opening 30 of the cup 23.

The counterbore 30 joins the bore designated by the numeral 25, which extends thru the remainder of the length of the portion designated by the numeral 8.

The body portion of the member for a substantial length is provided with the flanges designated by the numeral 26, and spaced by virtue of the fillets or recesses designated by the numeral 27.

The flange portions are provided in order to absorb most of the heat of the smoke passing thru the bore 25, and by virtue of their exposed surfaces dissipate the heat rather quickly in order to provide a cooling effect to the smoke that is to be inhaled by the smoker.

The cooling effect also has a tendency to condense any of the nicotine products which may escape, and which are part of the fluid smoke mixture. The nicotine condensation products adhere to the spirally shaped condenser designated by the numeral 15.

From the last cooling flange the cigarette holding tube extends for the remainder of its length as a reduced tubular portion designated by the numeral 34, and having a flange portion 29 which is peened over, or worked over, after assembly to the ferrule designated by the numeral 6.

The flange 29 contacts the flange portion 22 and acts as a stop to limit the movement of the cigarette holder designated by the numeral 8. The spring 28 is confined between the flange 22, and the first cooling flange 26 of the cigarette holder designated by the numeral 8.

In use the cigarette designated by the numeral 31 is placed within the recess 30 of the cup 23 and after being lit is smoked. During the smoking operation as explained heretofore, the smoke passes thru the duct or bore designated 25, and then thru the chamber 9, into the opening 12, and out thru the opening 13, into the smoker's mouth.

The passing of the smoke thru the opening designated 25 is cooled by virtue of the action of the cooling flanges designated by the numeral 26, as heretofore described, and the nicotine which may be in vapor or atomized form as part of the fluid mixture of the smoke is condensed and prevented from passing thru by virtue of the spirally shaped condenser 15.

Not only does this arrangement provide a cool smoke, but it also provides a clean smoke free from any of the nicotine, and other products which are undesirable for inhaling, and which tend to clog and contaminate cigarette holders as a general rule.

By virtue of this construction, I confine all such foreign matter, on the condenser spiral designated 15, thereby simplifying cleaning of the device. For cleaning purposes, the ferrule member designated 6 may be removed from the mouth-piece, in which case the spiral designated 15 becomes accessible and can be withdrawn from the slots designated 11, cleaned thoroughly, and then replaced, after which the ferrule and its assembly is once again replaced providing a clean cigarette holder.

After a cigarette has been smoked down to the very end as shown in Figure 2 and it is desired to eject the end of the cigarette or the stub, that operation is performed by grasping the cup portion 23 and depressing it, at the same time causing the compression of the spring designated by the numeral 28.

Inasmuch as the condenser tip designated 36, remains stationary relative to the movement of the cup 23, it will cause the cigarette to be pushed out of its confined opening 30 as is illustrated at Figure 3.

After releasing the cup portion 23 the spring tends to return to its normal distended position and brings the cigarette holder back to the position shown in Figure 2, where it is ready to receive another cigarette for the smoking operation to be continued.

I believe that I have described in succinct terms the nature and benefits to be derived from the use of my invention, so that those familiar and skilled in the art will have no difficulty in apprising themselves of the improvement that I have provided in my invention.

Altho, I show a preferred embodiment of the invention, I reserve the right to any modifications, changes, or alterations, which may come within the scope of the herein invention; and it is understood that the invention is not to be restricted or limited to the presentation herein shown, it being limited only by the appended claim and the prior art in the Patent Office at the time of the filing of this application.

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

A cigarette holder comprising, a mouth-piece member provided with slotted portions adapted to hold removably a condenser member, a condenser member having a spiral shaped condensing surface, an adapter ferrule member provided with a shoulder portion, and having a reduced neck portion adapted to be removably secured in one end of said mouth-piece member, a cigarette holder slidably attached to said adapter ferrule member, the said cigarette holder being provided with a series of cooling flange portions, and a spring member confined between one of said cooling flange portions and the shoulder portion of the said adapter ferrule member.

JOHN MALICKI.