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A. M. MILLER

NICOTINE ABSORBENT CIGARETTE HOLDER

Filed March 26, 1924

FIG. 1.

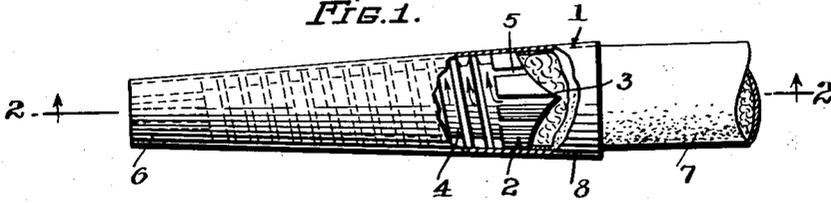


FIG. 2.

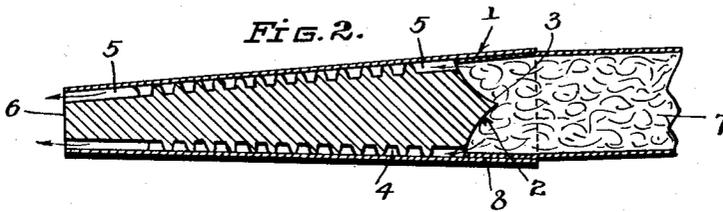


FIG. 3.

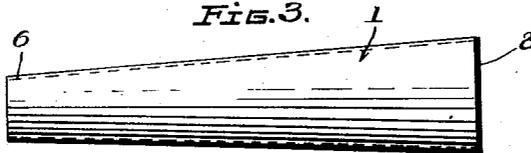


FIG. 4.

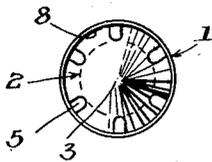
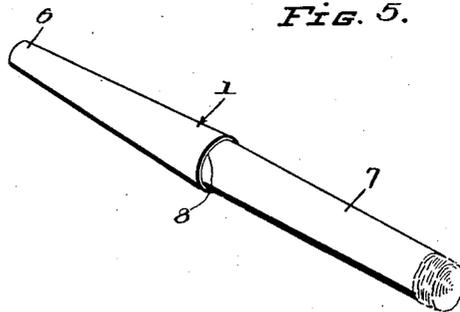


FIG. 5.



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NICOTINE-ABSORBENT CIGARETTE HOLDER.

Application filed March 26, 1924. Serial No. 701,904.

To all whom it may concern:

Be it known that I, ALBERT M. MILLER, a citizen of the United States, and a resident of the city and county of San Francisco, and State of California, have invented certain new and useful Improvements in Nicotine-Absorbent Cigarette Holders, of which the following is a specification.

The present invention relates to improvements in means for the elimination of nicotine from tobacco-smoke while on its passage from the burning tobacco to the mouth of the smoker.

A principal object of the present invention is to provide means for the absorption of nicotine from tobacco smoke while on its passage from the burning tobacco to the mouth of the smoker, through a lengthened course of travel for the smoke over and through an absorbent substance and along and beneath a largely increased cooling surface, thus affording a cooled smoke-product freed from nicotine and devoid of other deleterious matters.

An additional object sought is to provide for an economic use of tobacco, as it permits the consumption of the entire tobacco content, whether of cigarette or other tobacco form.

Though arranged more particularly with a view to its use as a cigarette holder, it is quite obvious that the section adapted to hold the cigarette may be also utilized as a magazine direct for the storage of a smoke-charge.

In the accompanying drawings, forming a part of this specification,

Figure 1 is a fragmentary elevational view of a cigarette-holder embodying the principles of my invention;

Figure 2 is a longitudinal section on line 2-2 of Figure 1;

Figure 3 is a longitudinal sectional view of the sheath encasing the absorbent element;

Figure 4 is an end elevation as viewed from the cigarette-holder extremity; and

Figure 5 is a perspective view of the holder with a cigarette shown in place.

Referring more particularly to the drawings, 1 represents the cone-shaped sheath, or casing of the holder, in which is removably secured the absorbent complementary-shaped core 2 provided with a cone-shaped extremity 3 adapted to receive and spread a cigarette end, 4 a spiral groove extending from end to end of the absorbent core 2, 5 ducts or channels leading from either extremity of the absorbent core 2 and communicating at different points with the spiral groove 4, 6 the mouth-piece of the cigarette-holder, 7 a cigarette, and 8 the extension of the sheath 1 beyond the absorbent core 2 and fashioned to receive and retain a cigarette end, or it may be so formed as to be utilized as a magazine for a tobacco charge.

In recapitulation, it is desired to particularly stress the important influences to which the smoke is subjected in its passage through my device, as compared with that of the ordinary cigarette-holder. Obviously, in a free and lengthy travel along a spiral groove carried by an absorbent element and bounded exteriorly by a surface exposed to the air, there must result a contact with extended and enlarged surface areas that not only robs it of its nicotine by absorption, but, at the same time, fully exposes it to an air-cooled surface in direct contact with the outside atmosphere, wherethrough and whereby it is further deprived of its heat and finally delivered to the smoker as both a purified and cooled product. With the ordinary cigarette-holder, the passage of the smoke from the burning tobacco to the smoker is short, carrying with it both heat and a volatilized nicotine, with but little chance for any deposition of nicotine before reaching the smoker, who inhales practically the entire volume of volatilized nicotine released by the burning tobacco.

I claim, and desire to secure by Letters Patent:

In a device of the character described, a casing comprising a cone-shaped body-portion, a mouth-piece and an extension fashioned to receive and retain a cigarette, a complementary-shaped absorbent core having there-

about a spiral groove and formed to fill the interior of said body-portion of said casing, the walls of said spiral groove in combination with a spiral section of said casing forming a continuous spiral passage from end to end of said absorbent core, a plurality of ducts leading from either extremity of said absorbent core into said spiral groove at varying distances, and a conically-formed centrally located projection carried by the forward end of said absorbent core and adapted to receive and expand the end of a cigarette when inserted.

ALBERT M. MILLER.