June 15, 1937. A. B. ADAIR 2,083,769

CIGAR TIP OR MOUTHPIECE

Filed July 8, 1936

Fig. 1.

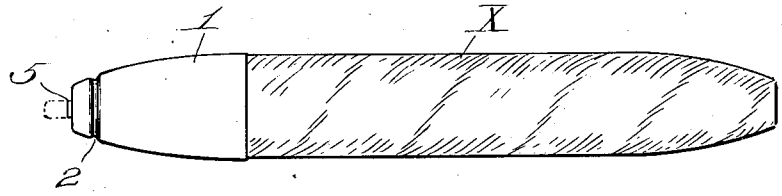


Fig. 2.

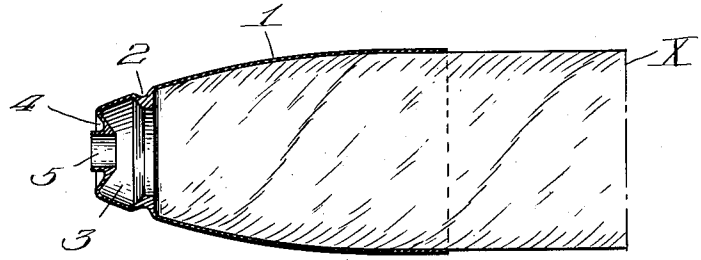
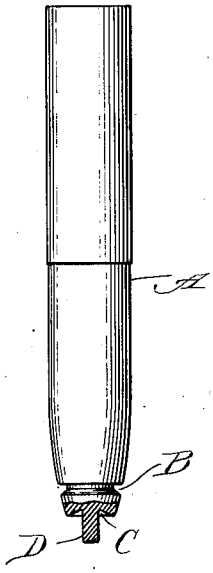


Fig. 3.



Inventor:
Arthur B. Adair
by Wm. F. Frendenreich
Atty.

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CIGAR TIP OR MOUTHPIECE

Arthur B. Adair, Kenilworth, Ill.

Application July 8, 1936, Serial No. 89,542

5 Claims. (Cl. 131—52)

In my prior Patent No. 2,075,493, granted March 30, 1937 I have disclosed a novel form of cigar tip the purpose of which is to permit a cigar to be smoked in the same manner as an ordinary cigar providing, however, a dry smoke. The object of the present invention is to improve the aforesaid tip or mouthpiece.

The device of the aforesaid application comprises a thimble-shaped cap of thin, flexible material which is snugly fitted upon the butt end of a cigar in such a manner as to leave a definite chamber or pocket within the device beyond the end of the cigar. Any liquids that are generated from the materials of the cigar, during smoking, collect in this little chamber or pocket and are not drawn into the mouth of the smoker. In this prior device the smoke outlet is simply a hole cut in the center of the closed end of the cap or thimble. It is conceivable that at some time during the period which elapses while a cigar is being smoked, it will be held in a more or less upright position so that any liquid that may be found in the pocket can escape through the smoke outlet. One of the objects of the present invention is to provide a trap which will prevent the escape, through the smoke outlet, of liquid contained in the pocket in the largest quantity that is apt to be found there, even though the cigar be held upright with the tip pointing down.

It is also highly desirable that means be provided positively to prevent the tip or mouthpiece from being slipped too far upon the cigar and thus destroy the free space or pocket. A further object of the present invention is to insure the presence of an effective stop means in a tip or cap of very thin, flexible material.

Tips of this kind may conveniently be made from rubber and, viewed in one of its aspects, the present invention may be said to have for its object to devise a novel and efficient method of producing such tips from rubber.

The various features of novelty whereby my invention is characterized will hereinafter be pointed out with particularity in the claims; but, for a full understanding of my invention and of its objects and advantages, reference may be had to the following detailed description taken in connection with the accompanying drawing, wherein:

Figure 1 is a side elevation of the butt end of a cigar having one of my improved caps or tips applied thereto; Fig. 2 is a view similar to Fig. 1 except that the cap or tip is shown in central longitudinal section; and Fig. 3 is a view partly in section and partly in elevation of a form upon which a tip may be produced by molding, by dipping the form into a liquid bath, or otherwise.

Referring to Figs. 1 and 2, 1 represents an elongated cap or thimble whose walls are very thin and flexible and, preferably, elastic. The material of the cap is such that when the cap is formed with a short, abrupt contracted neck portion 2 that provides an internal annular rib, as illustrated, this shape will be retained indefinitely. The neck portion 2 is near the end wall of the cap so as to provide the desired small chamber or pocket 3 between the end wall and the rib or, rather, between the end wall and the end of a cigar X abutting against the rib.

The end wall 4 of the cap or tip is dished inwardly so as to have a frusto-conical shape as viewed from the open end of the cap; the smoke outlet being at the smaller base of the frustum of a cone. The result is that when the cap or tip stands upright, a substantial quantity of liquid may be poured into the same before it will begin to flow through the smoke outlet. The smoke outlet may conveniently be through a short sleeve or tube 5 integral with the end wall. This tube or sleeve may project outwardly and serve as a stiffening for the thin end wall around the opening in the latter.

The cap or tip may be manufactured from rubber or other suitable material. In manufacturing the cap or tip from material which initially is liquid or plastic, such material may be shaped about a form such as indicated at A in Fig. 3; this form having therein an annular groove B corresponding to the contracted neck portion of the product to be produced, and having a concave end face C corresponding to the dished wall 4 of the cap. Projecting from the center of the concavity C, and coaxial with the body of the form, there may be a pin D whose diameter is equal to the desired diameter of the smoke outlet in the cap or tip.

When, for example, it is desired to make a rubber cap or tip by the dipping process, the form A may be dipped a number of times into any usual or suitable body of liquid rubber or rubber composition; the rubber or rubber composition collecting upon the form and following the contour thereof in the manner of a thin skin. The rubber material also forms a sheathing for the pin D, which sheathing, when the cap or tip is stripped from the form, constitutes a little tubular tail closed at the free end as indicated in dotted lines in Fig. 1. This tail may be severed as close to or as far from that part of the wall 4 immediately adjacent thereto as may be

desired; thereby producing a smoke outlet of definite, predetermined diameter. The tip shown in the drawing is in detail similar to one made from rubber by the dipping process. It will be seen that the angle between the tube and the wall 4 has been filled with rubber in the process of manufacture, thereby reenforcing the trap-forming end wall of the cap even though no tubular projection should be retained.

Since rubber and other flexible waterproof materials that are suitable for the manufacture of my improved caps or tips tend to become slippery when wet, I prefer to roughen the external surface of the cap or tip in any suitable manner, so that even if the cigar be not firmly gripped between the teeth of the smoker, it will not be less securely supported than would an ordinary, untipped cigar under the same conditions.

It will thus be seen that I have produced a cap or tip for a cigar which permits a cigar to be smoked in exactly the same way as a plain cigar, without the smoker being conscious of the presence of any attachment or addition to the cigar; but with the result that the smoke will be a dry one and that the smoker is not also chewing tobacco while smoking. This is of course due to the thickness and flexibility of the cap, tip or mouthpiece, including the part that projects rearwardly beyond the butt end of the cigar, the means for positively insuring the presence of a definite chamber or pocket for the collection of liquids, and the provision of the trap which makes it practically impossible for liquids to escape through the smoke outlet. It should be noted that while there may not be condensed a large amount of liquid from the vapors evolved during smoking, more or less saliva is apt to enter the tip through the smoke outlet. In the latter case the free space or pocket within the tip may well contain an appreciable quantity of saliva mixed with nicotine or other tobacco derivatives, and thus make it important that the mixture be effectively trapped.

While I have illustrated and described with particularity only a single preferred form of my invention, I do not desire to be limited to the exact structural details thus illustrated and described; but intend to cover all forms and arrangements which come within the definitions of my invention constituting the appended claims.

I claim:

1. A mouthpiece for a cigar, comprising a thimble-like cap of thin, flexible material, the end wall of the cap having a central smoke outlet and being dished inwardly to produce a trap in the form of a shallow frustum of a cone of large angle around the smoke outlet to prevent small quantities of fluid in the cap from escaping through the smoke outlet even when the cap is held open end up, and stop means in the cap to limit the entrance of the cigar into the cap.

2. A mouthpiece for a cigar, comprising a thimble-like cap of thin, flexible material shaped to form an internal annular bead a short distance from the end wall of the cap and having its interior unobstructed from the bead to the open end of the cap, said end wall having a central smoke outlet therein and being dished inwardly around said outlet to form a shallow frustum of a cone of large angle in the interior of the cap.

3. A mouthpiece for a cigar, comprising a thimble-like cap of thin, flexible material having a central smoke outlet in the end wall, said end wall being dished inwardly around said outlet, and an outwardly-projecting short sleeve-like stiffener around said outlet and integral with said wall.

4. The combination with a cigar, of a thimble-like cap of thin, flexible material fitted over the butt end of the cigar, means in the cap holding the end wall of the cap spaced apart from the cigar end providing a free space or pocket in the cap beyond the cigar, and said end wall having a central smoke outlet and being dished inwardly in the shape of a shallow frustum of a cone of large angle around said outlet to form a trap to prevent the escape through the outlet of liquids that may collect in said free space or pocket.

5. A mouthpiece or tip for a cigar, comprising a thimble-like cap of thin, flexible material, the end wall of the cap being in the shape of a frustum of a cone whose smaller base projects into the interior of the cap, the material of said end wall being much thicker at the smaller base of the cone than is the wall in the body of the cap, and there being a smoke outlet through such thickened part.

ARTHUR B. ADAIR.