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G. F. GRUNDON

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SMOKING TUBE

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Fig. 1.

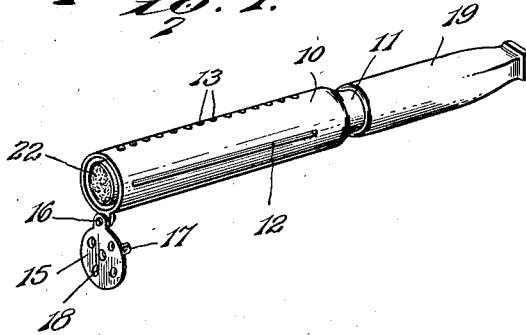


Fig. 2.

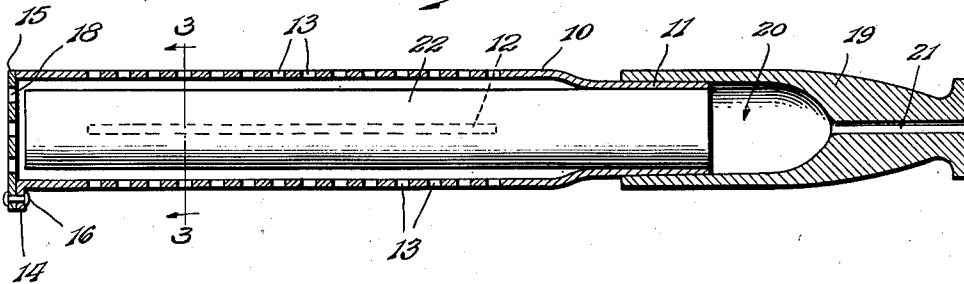


Fig. 3.

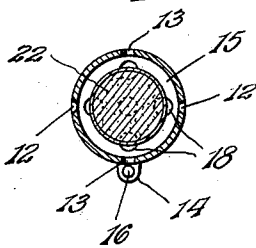
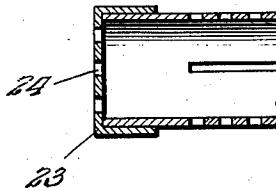


Fig. 4.



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SMOKING TUBE

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1 Claim. (Cl. 131—51)

This invention relates to an improved smoking tube and seeks, among other objects, to provide a simple and attractive novelty adapted to contain a cigarette while being smoked so that ashes or sparks cannot fall on the clothing or fly in the face, the device thus being particularly suitable for use by motorists.

A further object of the invention is to provide a device embodying a barrel slotted longitudinally to provide uninterrupted ventilation for a lighted cigarette within the barrel, wherein the slots will be self cleaning so that said slots will not easily become clogged and wherein the barrel will be formed between the slots with rows of spaced openings to provide auxiliary ventilation.

The invention seeks, as a still further object, to provide a barrel having a reduced nipple at its rear end for receiving and holding a cigarette centered within the barrel, wherein said nipple will serve to snuff the cigarette when burned approximately even with the forward end of the nipple and wherein the nipple will also serve to detachably receive the mouthpiece of the device so that the mouthpiece will firmly support the barrel.

Other and incidental objects of the invention not specifically mentioned in the foregoing will appear during the course of the following description and in the drawing which forms a part of my application.

Figure 1 is a perspective view of my improved smoking tube.

Figure 2 is an enlarged longitudinal sectional view taken medially through the device.

Figure 3 is a transverse section on the line 3—3 of Figure 2.

Figure 4 is a fragmentary section showing a modified form of closure for the barrel of the device.

In carrying the invention into effect, I provide a cylindrical barrel 10 which is preferably of bakelite and formed on the barrel at its inner end is a reduced nipple 11.

At diametric points, the barrel 10 is, as seen in Figure 2, provided with longitudinal slots 12 which extend throughout the major portion of the length of the barrel. These slots will thus provide uninterrupted ventilation for a lighted cigarette within the barrel and, as will be observed, said slots are V-shaped in cross section, the wide portions of the slots being disposed outwardly at the outer periphery of the barrel. The slots 12 will thus tend to be self cleaning so that said slots will not easily become clogged while,

however, ashes and sparks cannot fall through the narrow portions of the slots.

Formed in the barrel 10 midway between the slots 12 are longitudinal rows of spaced openings 13, said rows being longitudinally coextensive with the slots. These rows of openings are provided to afford ventilation auxiliary to the slots for a lighted cigarette within the barrel and, of course, the openings are of such a size that ashes and sparks cannot fall through.

At its forward end, the barrel 10 is formed with a lateral ear 14 and mounted thereon is a swinging closure 15 connected to the ear by a rivet 16 or the like. The closure 15 is of a diameter to overlie the forward end of the barrel and formed on said closure is a lateral stop lug 17 adapted to engage the barrel for limiting the closure in shut position. In this connection it should be observed that the closure will be more or less tightly held by the rivet 16 so that the closure will not accidentally swing open when the device is in use. Formed in the closure are spaced ventilating openings 18 like the openings 13, the openings 18 being of a size to retain ashes and sparks within the barrel 10.

In conjunction with the barrel 10, I also provide a mouthpiece 19 which is formed at its forward end with a chamber 20 adapted to snugly but removably receive the nipple 11 of the barrel and leading from said chamber is a duct 21.

As will now be seen, the closure 15 may be swung open and a cigarette, as conventionally shown at 22, inserted in the barrel 10 to engage at its inner end in the nipple 11. The nipple is of a diameter to more or less snugly receive the cigarette so that, as brought out in Figure 2, the nipple will serve to support the cigarette centered within the barrel 10. Accordingly, the mouthpiece 19 may be placed in the mouth and the cigarette lighted after which the closure 15 may be swung shut and the cigarette smoked, as will be appreciated, without the annoyance of falling ashes or the danger of flying sparks.

In the present instance, I have shown the inner end of the cigarette flush with the rear end of the nipple but, as will be noted, the chamber 20 of the mouthpiece 19 is of a length to permit the cigarette, as it is inserted, to be pushed through the nipple a short distance so that, after the cigarette is smoked, the mouthpiece may be removed when the rear projecting end of the cigarette may be grasped for removing the stub from the nipple.

As the cigarette burns, the slots 12 will provide uninterrupted ventilation while the rows of open-

ings 13 will provide ventilation auxiliary to the slots so that free combustion will be afforded. When the burning part reaches the forward end of the nipple 11, however, the cigarette will be
 5 snuffed by the nipple, this being due to the fact that the nipple is imperforate and surrounds the rear end of the cigarette more or less snugly to closely confine the tobacco therein and shut off ventilation. Overheating of the mouthpiece will
 10 thus be prevented.

In Figure 4, I have shown a modified form of closure 23 which may, if desired, be used in lieu of the swinging closure 15. As will be noted, the lug 14 on the barrel is eliminated and the
 15 closure 23 is in the form of a cap adapted to slip over the forward end of the barrel to be frictionally held thereon, the cap being provided with openings 24 of a size to retain ashes and sparks within the barrel. Otherwise, this modification
 20 is identical with the preferred construction and further description is accordingly believed unnecessary.

Having thus described the invention, I claim:

In a smoking tube, the combination of a one-

piece barrel stepped in diameter near its rear end to provide a reduced nipple at the rear end of the barrel adapted to frictionally receive one end portion of a cigarette and hold the cigarette centered within the barrel, the barrel being
 5 formed at diametrically spaced points with narrow longitudinal V-shaped slots extending throughout the major portion of the length of the barrel to afford uninterrupted ventilation for the cigarette when lighted and being provided
 10 midway between said slots with diametrically spaced longitudinal rows of spaced openings to afford ventilation auxiliary to said slots, the barrel being imperforate between the slots and said
 15 rows of openings, a mouthpiece having a chamber therein to frictionally receive said nipple and of a length to freely accommodate the adjacent end of the cigarette when projected through the nipple, the nipple being imperforate for snuffing the
 20 cigarette and preventing overheating of the mouthpiece, and a closure for the forward end of the barrel.

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