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D. P. KNOB

2,258,933

TOBACCO PIPE BOWL FILLER

Filed Sept. 25, 1940

FIG. 1

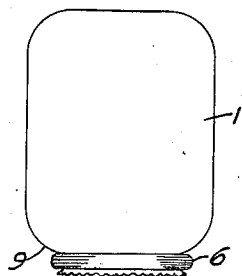


FIG. 2

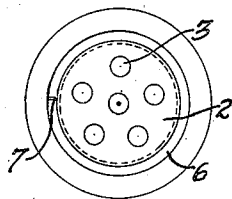


FIG. 4

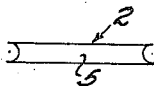


FIG. 5

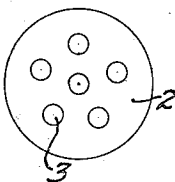
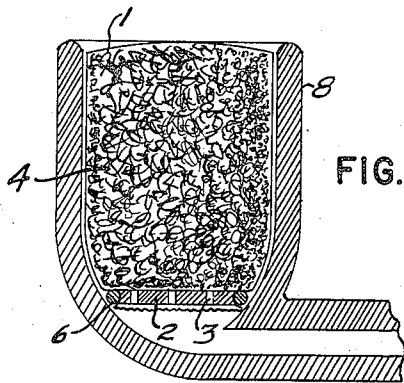


FIG. 3



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UNITED STATES PATENT OFFICE

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TOBACCO PIPE BOWL FILLER

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5 Claims. (Cl. 131—3)

Tobacco cartridges, adapted for insertion into a pipe bowl, are well known, but they have not come into general use, on account of the cost of manufacture incident to the provision of a proper container. In order to remedy that difficulty, recourse is had in the present invention, to a simple inverted sack. Since the sack is inverted, a means must be provided for closing the lower end of it and that means, in the present invention, is a ventilating disk, novel means being supplied for holding the disk assembled with the sack.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the present invention appertains.

In the accompanying drawing:

Fig. 1 is a side elevation of the cartridge;

Fig. 2 is a bottom plan view of the cartridge;

Fig. 3 is a vertical section through a pipe bowl, with the cartridge therein;

Fig. 4 is a side view of the ventilating disk;

Fig. 5 is a plan view of the ventilating disk.

In carrying out the invention, there is provided a smoking-pipe cartridge, including a container in the form of a flexible, inverted, one-piece sack 1, which may be made of tobacco-brown, specially-prepared paper.

A ventilating disk 2 is located in the lower end portion of the sack 1, and may be formed from absorbent material, of which chalk is mentioned merely as an illustrative example.

The disk 2 is furnished with any preferred number of well-distributed openings 3, promoting proper draft and preventing the smouldering of the tobacco 4 wherewith the sack 1 is filled.

The disk 2 is provided with a circumferential, peripheral groove 5, in which the lower end portion of the sack is engaged, under the constriction of a binder 6, preferably a resilient metal ring, severed at a single place, as shown at 7.

The sack 1 is pliable, and it may be inserted readily into a pipe bowl 8. The disk 2 is of smaller diameter than the sack 1, to effect a

tapering of the lower part of the cartridge, as shown at 9, to facilitate the insertion of the cartridge into the pipe bowl 8.

The cartridge possesses the advantageous features of similar articles heretofore offered to the public. In addition, saliva will be kept out of the tobacco and the tobacco always will be in proper condition to burn thoroughly, leaving no soggy "heel." The inverted, sack-like form of the part 1, together with the disk 2 and the means 6—5 for securing the sack to the disk 2, characterize the present invention, and represent a distinct advance over the prior art.

Having thus described the invention, what is claimed is:

1. A smoking-pipe cartridge comprising a container in the form of a flexible, inverted sack, a ventilating disk in the lower end portion of the sack, a binder circumscribing the lower end portion of the sack and holding it on the disk, and smoking-material in the sack.

2. A smoking-pipe cartridge constructed as set forth in Claim 1, and wherein the disk has a circumferential groove, in which the lower end portion of the sack is engaged, under the constriction of the binder.

3. A smoking-pipe cartridge constructed as set forth in claim 1, and wherein the disk has a circumferential groove, in which the lower end portion of the sack is engaged, under the constriction of the binder, the binder being a resilient ring, severed at a single place.

4. A smoking-pipe cartridge constructed as set forth in claim 1, and wherein the disk is of smaller diameter than the sack, to effect a tapering of the lower part of the cartridge, to facilitate the insertion of the cartridge into a pipe bowl.

5. A smoking-pipe cartridge comprising a container in the form of an inverted, flexible, one-piece sack, a ventilating disk, and means for holding the ventilating disk assembled with the lower end portion of the sack, and smoking-material in the sack.

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