Aug. 6, 1957 H. SHENSKY 2,801,637

SMOKING DEVICES HAVING FILTERS

Filed Jan. 20, 1954

Fig. 1.

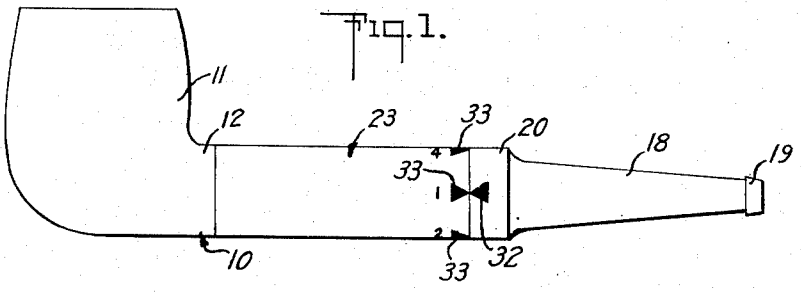


Fig. 2.

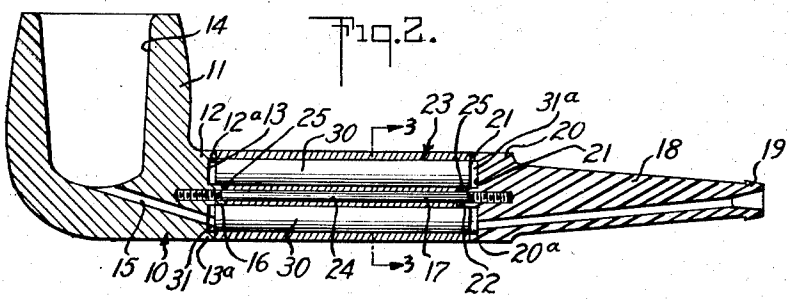
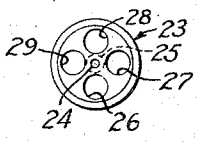


Fig. 3.



INVENTOR
HENRY SHENSKY
BY J. A. Brien
ATTORNEY

United States Patent Office

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SMOKING DEVICES HAVING FILTERS

Henry Shensky, New York, N. Y.

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1 Claim. (Cl. 131—202)

This invention relates to smoking devices such as pipes, cigar holders, and cigarette holders, and has for a principal object the provision of a section within the body thereof which carries a plurality of filters and so arranged that one filter at a time may be used independently of the others and without contaminating the others.

A preferred embodiment of the invention contemplates the provision of a cylindrical filter carrier which has a plurality of filter cavities, each parallel to and radially spaced from the axis thereof, so that any desired filter may be placed in communication with a passage in the mouthpiece of the device which is in a position to be placed in communication with any of the filter cavities.

One object of the invention is to provide the filter cavities with filters which will give the smoke different flavors and the other is to provide a readily changeable series of filters so that any one of them may be selectively placed in communication with the smoke passage so that the one in communication is traversed by the smoke.

Another object of the invention is the provision of a pipe having a bowl end and a stem end with a rotatable filter carrying cylinder therebetween, a shaft having at least one end threaded, being connected to both the bowl end and the stem end and functioning as a distance rod.

A further object of the invention is the provision of a pipe having a bowl end and a stem end with a rotatable filter carrying cylinder therebetween, said bowl end and said stem end each being connected to said cylinder by plug and socket means.

Other objects and advantages of the invention will be apparent to those skilled in the art upon a study of this specification and the accompanying drawings.

Referring to the drawings which are given by way of example to illustrate the invention:

Figure 1 is a side elevation of a pipe made according to the invention and carrying thereon indications by means of which the user can orient any desired filter with the smoke passage therein;

Figure 2 is a cross-sectional elevation of the pipe shown in Figure 1 showing details of construction and;

Figure 3 is a cross-sectional elevation taken along the line 3—3 of Figure 2.

Referring first to Figures 1 and 2, a pipe **10** has a bowl **11** with a short shank portion **12** which has a faced end **13** formed thereon and surrounded by an annular boss **13***a* to form a shoulder **12***a*. The bowl **11** has a tobacco cavity **14**, the lower end of which communicates with a smoke passage **15**. The other end of the smoke passage terminates in the faced end **13**. Centrally disposed in the faced end **13** is a boss **16**, which has a central threaded hole therein, and threadedly engaging this hole is one threaded end of a distance rod **17**. The pipe has a stem portion **18**, one end of which terminates in a mouthpiece **19** and the other end **20** has a face **21** formed thereon, surrounded by an annular boss **21***a* to form a shoulder **20***a*. Centrally located on the face **21** is a boss **22** which has a central threaded hole formed therein to accommodate the other threaded end of the distance rod **17**.

A cylindrical filter carrier **23** has a central hole **24** therethrough, which forms a working fit on the distance rod **17**. The cylinder **23** has counterbored holes **25** in each end thereof, concentric with the hole **24**, to accommodate the bosses **16** and **22** respectively. Parallel to the central hole **24** are longitudinal holes **26**, **27**, **28** and **29**, which form cavities to contain filters such as those shown at **30** in Figure 2. The left end of the cylinder **23** has a counterbore **31** formed therein to accommodate the face **13** and the shoulder **12***a*, and likewise the other end of the cylinder has a counterbore **31***a* therein to accommodate the shoulder **20***a*. The counterbore on each end is for the purpose of increasing the surface contacts between the cylinder on each end and the elements with which it cooperates. The passages **26** to **29** inclusive, are preferably slightly longer than the filters **30** so as to provide settling cavities **31** at each end thereof for the tars or the like.

On the outer surface of the stem portion **20** is a symbol **32**, for example an arrow, and disposed on the outer surface of the cylinder at one end thereof, is a series of arrows **33** which point to the opposite direction of the arrow **32** and which are numbered 1, 2, 3, 4, so that the user has an indication of which filter is in use at a given time.

With the distance rod so proportioned that the cylinder **23** may be rotated by a firm grip on it and the pipe bowl, for example, the cylinder may be moved rotatively to bring any one of the arrows **33** into coincidence with the arrow **32** and thereby change to a new filter when the one being used needs to be changed.

As stated above the filters may be flavored with mint, menthol and perfumes, to please some tastes. However, the main and important feature of my new and improved smoking devices is the turret arrangement containing the filters and the ability to change to fresh filters at will.

Although I have herein shown and described by way of example, one form of the invention and several modifications thereof, it will be obvious that many changes may be made in the arrangements shown and described within the scope of the following claim.

What I claim is:

In a smoking device, a smoke generating member adapted to support and burn tobacco and having a first smoke passage therein, a stem member spaced apart from said first member having a mouthpiece on one end and a second smoke passage therethrough, a distance rod between said members, and a multiple filter carrying rotatable cylinder rotatable on said rod and having one end maintained at least in fluid tight relation with the other end of said stem member, said rotatable cylinder having a plurality of cavities, filter elements disposed in said cavities, each of said cavities being adapted to be selectively placed in communication with both said smoke passages, said cylinder being adapted to be rotated on said rod to other positions to bring other of said filters into communication with said smoke passages.

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