June 8, 1937. S. LA FRANCA 2,083,455

SMOKING PIPE

Filed June 21, 1935

FIG. 1.

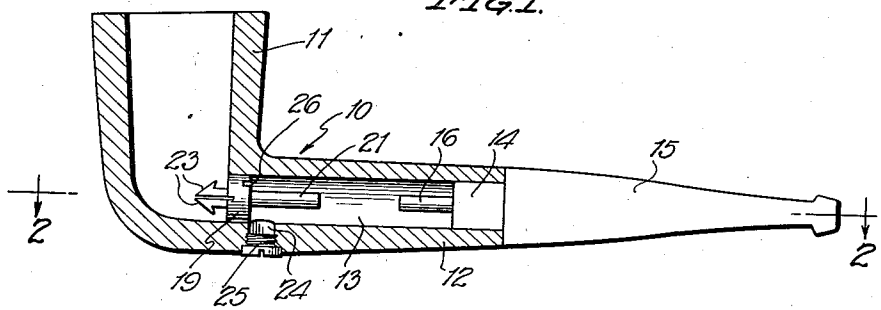


FIG. 2.

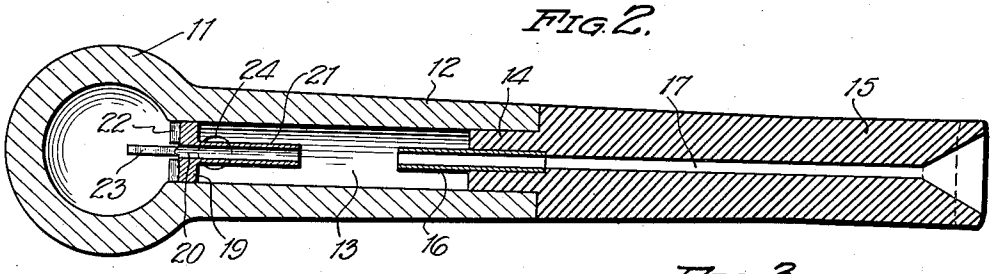


FIG. 3.

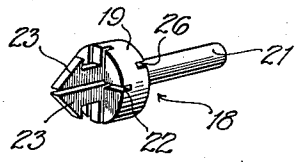


FIG 4.

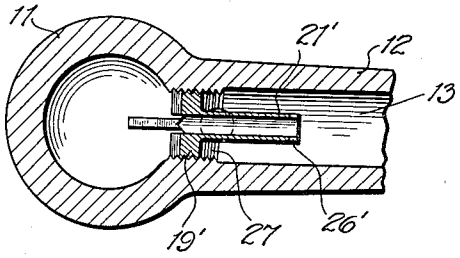


FIG. 6.

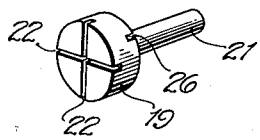
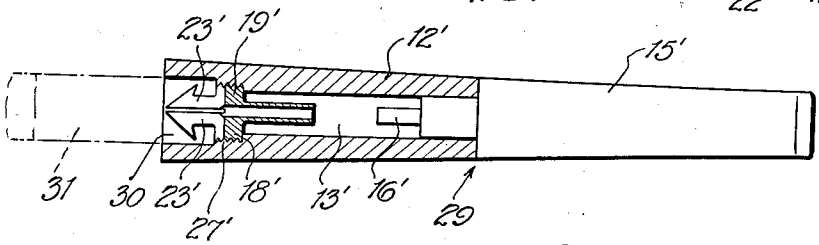


FIG. 5.



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WITNESS

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SMOKING PIPE

Salvatore La Franca, New York, N. Y.

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1 Claim. (Cl. 131—12)

This invention relates to improvements in smoking pipes.

One of the principal features of the invention resides in a smoking pipe in which the smoke from the bowl is filtered in its passage through the stem to prevent the clogging of the bore of the stem with tobacco bits, and the unpleasant drawing of tobacco bits through the mouthpiece into the mouth of a user.

Another feature of the invention is to provide a smoking pipe in which moisture which may seep into the bore of the stem is trapped in a manner as not to interfere with the draft through the stem.

A further object of the invention is the provision of a smoking pipe for trapping tobacco bits and moisture within the stem of the pipe, and which affords cleaning of the trapped substances without disturbing the connection between the mouthpiece and pipe stem.

A still further object is to provide a filter attachment which is inserted in the stem of a pipe, or the mouthpiece of a cigarette or cigar holder as a unit and which may remain in position indefinitely without removal.

A still further object is the provision of a filter attachment having the above features which is simple of construction, inexpensive of manufacture, and which is capable of unlimited life.

With these and other objects in view, the invention resides in the certain novel features of construction, combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claim, and are illustrated in the accompanying drawing, in which:

Figure 1 is a vertical longitudinal sectional view through a smoking pipe showing my invention embodied therein.

Figure 2 is an enlarged horizontal sectional view on the line 2—2 of Figure 1.

Figure 3 is a detail perspective view of the filter member per se.

Figure 4 is a fragmentary horizontal sectional view showing a slightly modified form of the invention.

Figure 5 is a vertical sectional view of the form of filter member shown in Figure 4 embodied in a cigar or cigarette holder.

Figure 6 is a perspective view of a further modified form of filter member per se.

Referring to the drawing by reference characters, and more particularly to Figures 1 to 3 inclusive, the numeral 10 designates a smoker's article in its entirety which is shown in the nature of a smoking pipe which includes a bowl 11 from which a stem 12 extends, the said stem having a bore 13 of uniform diameter which communicates with the interior of the bowl 11 at the bottom thereof. Fitted into the outer end of the bore 13 is the reduced inner end 14 of a mouthpiece 15, the reduced end 14 having an outwardly extending tube 16 extending therefrom, and which tube communicates with the bore 17 in the mouthpiece 15.

Fitting into the bore 13 and disposed adjacent the point of communication between the interior of the bowl 11 and the bore, is a filter member 18. The filter member 18 includes a disk-like plug body 19 of a diameter to snugly fit the walls of the bore 13, while the center of the plug member 19 is provided with a passage 20 which is in axial alinement with the bore of a tube 21 extending from the disk 19 and integral therewith and which is disposed in spaced relation to the walls of the bore 13 and which terminates short of the outer end of the tube 16.

The face of the disk 19 opposite that from which the tube 21 extends, is provided with radial slots 22 which extend from the opening 20 outwardly to the periphery of the disk 19. The modified form of the invention shown in Figure 6 includes the construction so far described, and like reference characters refer to similar parts whereas in Figures 1 to 3 inclusive, the filter unit includes a pair of outwardly extending guard members 23. Each member 23 is of barb shape and the same are disposed in close proximity and parallel to each other so that in side elevation, they coact to provide a substantially arrow head extension. The guard members 23 are so positioned with respect to the narrow slots 22 that they are disposed out of the plane of the slots and out of the plane of the opening 20 so as not to interfere with the passage of smoke through the slots and into the passage 20.

By reference to Figures 1 and 2, it will be seen that the guard members 23 extend within the bowl 11 adjacent the bottom thereof and serve to prevent excessive packing of tobacco against the disk 19 to avoid clogging up of the slots 22 and opening 20.

The bore 13 between the disk 19 and the reduced end 14 of the mouth piece 15 constitutes a trap for the accumulation of moisture which may drain inwardly from the mouth piece 15 and collect any tobacco bits which might accidentally seep through the filter device 18. For the purpose of draining the bore 13 of any moisture

which might accumulate therein, the bottom of the stem 12 is provided with a drain opening 24, the walls of which threadedly receive a screw plug 25.

For the purpose of inserting the filter member 18 into the bore 13 before the attachment of the mouthpiece 15 to the stem, it may be necessary to employ an instrument in the form of a spanner and I therefore provide kerfs 26 in the outer side of the disk 19 for that purpose.

From the foregoing description, it will be seen that when the smoking pipe is in use, smoke may be drawn from the bowl 11 through the narrow slots 22 and passage 20 in the disk 19 and thence through the tube 21 into the enlarged bore 13, and thence outwardly through the tube 16 and bore 17 in the mouthpiece.

In Figure 4 of the drawing a slightly modified form of my invention has been shown in which the inner end of the bore 13 is screw threaded as at 27 for threadedly receiving a threaded periphery 28 of the disk 19' of the filter device. For facilitating the screwing of the disk 19' into position, the outer end of the tube 21' is provided with kerfs 26' for the reception of a screw driver or other like instrument.

In Figure 5 of the drawing, the same construction of filter device as is shown in Figure 4 is illustrated but is shown in use in connection with a cigarette or cigar holder 29 which includes a stem 12', a mouthpiece 15' fitting into one end of the stem 12', a tube 16' extending inwardly from the mouthpiece 15' in spaced relation to the walls of the bore 13' of the stem. The outer free end of the stem 12' is provided with a socket 30 for the reception of one end of a cigarette or cigar 31 and the barb shaped guard members 23' of the filter device 18' extend into the socket 30 and provide an anchorage for the inner end of the cigar or cigarette when placed in the holder 29. The disk 19' of the filter device is threaded to an internally screw threaded portion 27' provided in the stem 12' just inwardly of the socket 30. The filter device shown in Figure 5 operates in the same manner as that shown in the preceding form, with the exception that the barb like guard member 23' provides an anchorage for the cigarette or cigar inserted into the socket 30.

While I have shown and described what I consider to be the most practical embodiment of my invention, I wish it to be understood that such changes and alterations as come within the scope of the appended claim may be resorted to if desired.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent of the United States, is:—

A filter attachment for smoker's articles comprising a disk having a central opening therein adapted to be fitted into the bore of a pipe stem, cigar holder, or cigarette holder, and slots provided in the outer face of said disk and extending radially from said opening, a pair of spaced alined reversely arranged barbs extending from the slotted face of said disk but disposed out of the plane of said slots.

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