F. E. FONSECA.

SMOKE FILTER FOR CIGARS AND CIGARETTES.

APPLICATION FILED JAN. 31, 1917.

1,237,026. Patented Aug. 14, 1917.

Fig. 1.

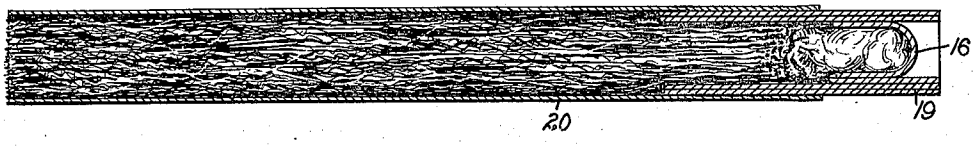


Fig. 2.

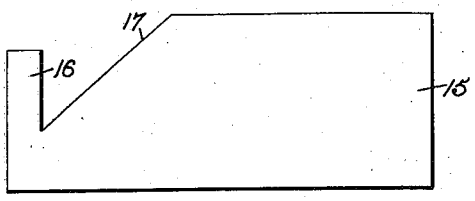


Fig. 5.

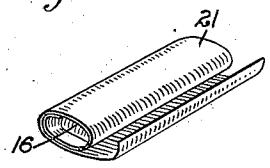


Fig. 3.

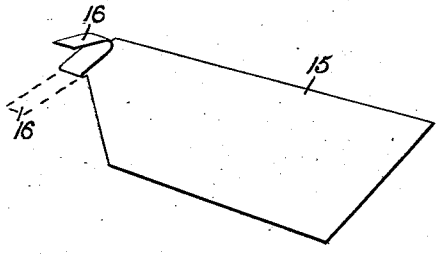


Fig. 6.

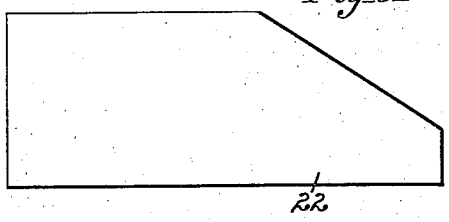


Fig. 7.

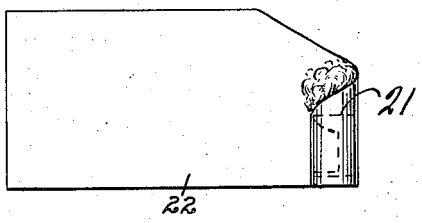


Fig. 4.

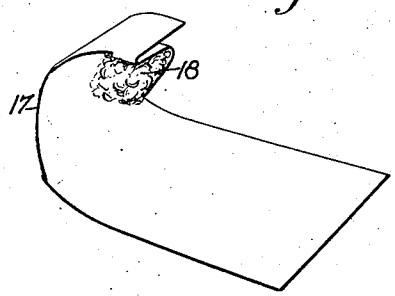
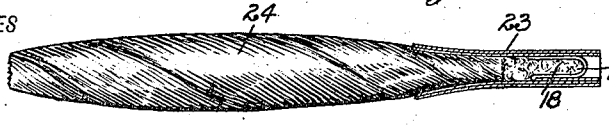


Fig. 8.



WITNESSES

J. C. Palmer.

E. O. Murdock

INVENTOR

F. E. Fonseca

BY Munn & Co

ATTORNEYS

UNITED STATES PATENT OFFICE.

FRANCISCO E. FONSECA, OF NEW YORK, N. Y.

SMOKE-FILTER FOR CIGARS AND CIGARETTES.

1,237,026. Specification of Letters Patent. Patented Aug. 14, 1917.

Application filed January 31, 1917. Serial No. 145,650.

To all whom it may concern:

Be it known that I, FRANCISCO E. FONSECA, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Smoke-Filter for Cigars and Cigarettes, of which the following is a full, clear, and exact description.

Among the principal objects which the present invention has in view are: to provide a cigar, cigarette, or a similar article with a suitable filter and support therefor; to divert the column of smoke from its direct path of travel; to retard the rate of travel of the smoke admitted to the smoker's mouth; to avoid transmission by infection; and to simplify the construction of the filter employed in the accomplishment of the above-stated objects.

Drawings.

Figure 1 is a longitudinal section showing a cigarette having a mouth-piece therefor embodying a filter constructed and arranged in accordance with the present invention;

Fig. 2 is a view of the blank from which a mouth piece is formed when constructed and arranged in accordance with the present invention;

Fig. 3 is a detail view in perspective showing an early stage in the formation of the mouth piece referred to, the filtering support being preliminarily shaped to receive the filtering body;

Fig. 4 is a detail view showing a further development of the mouth-piece, the filtrant being disposed in the support therefor;

Fig. 5 is a modified form of the invention;

Fig. 6 is a detail view of the holder for the support shown in Fig. 5, said holder being shown as a blank;

Fig. 7 is a view showing a further development and one of the latest stages of construction of the modified form of the mouth piece;

Fig. 8 shows a modified form of the invention, the modification consisting in adapting the construction to form a temporary mouth piece for a cigar.

Description.

As seen in the drawings, the mouth-piece with which a cigar or cigarette is provided, is constructed from a suitable cardboard or stiff paper member 15. The member 15 has formed at one end thereof, a tongue 16, which is spaced from the main body of the member 15, by a V-shaped cut 17. As seen best in Fig. 3 of the drawings, the tongue 16 is folded upon itself and upon the member 15, to form a stirrup or support for a filtering body, such as a small wad of fiber 18. The fiber 18, as shown best in Fig. 4 of the drawings, is placed between the sides of the stirrup formed by the tongue 16, and is then rolled to form a cylinder 19, as indicated in Fig. 1 of the drawings.

The cylinder 19 may be rolled around the outside of the cigarette wrapper 20, or may be, as shown in Fig. 1 of the drawings, inserted in the end of said wrapper. In either event, the wrapper and mouth-piece are permanently united by means of a suitable adhesive.

In Figs. 5, 6 and 7 of the drawings, a modified form of the invention is shown. The modification consists primarily in rolling a piece of paper to form a cylinder 21. The cylinder 21 has formed therein, a stirrup produced from the tongue 16 in the manner above described. The cylinder 21 is then rolled into and permanently secured within an enlarged cylinder formed by the blank 22, as shown in Fig. 7 of the drawings. This modified construction forms a separable mouth piece which may be used with a number of cigarettes of usual make.

In Fig. 8 of the drawings, there is shown a cigar-holder 23, having formed therein a tongue 16 and a wad of fiber 18. When using the mouth-piece shown in Fig. 8, it is temporarily attached to the cigar 24.

It will be understood that it is intended that a cigar-holder constructed in conformity with the present invention is for a single use only.

It is obvious that with the mouth-piece constructed and arranged as herein disclosed, the smoke is compelled to pass through the fiber 18, and is diverted from its straight course of travel through the mouth-piece by the bend in the stirrup, to pass through the lateral passages at each side of the stirrup, and thence to the suction end of the mouth-piece.

Care is taken in constructing these mouth-pieces that the delivery end, not shown, be contracted or congested, the object being to furnish as large a passage for the smoke as is consistent with good construction and

economy. In this manner, one of the objects above stated is obtained, to wit, the distribution of the smoke as delivered to the mouth of the smoker.

Claim.

A mouth piece comprising a paper cylinder; a narrow section of said cylinder being bent upon itself to form a stirrup, said stirrup being arranged within said cylinder and parallel to the axis thereof; and a fibrous material disposed within said stirrup, said fibrous material and said stirrup being contracted by said cylinder, one end of said section being loosely held in said cylinder.

FRANCISCO E. FONSECA.