

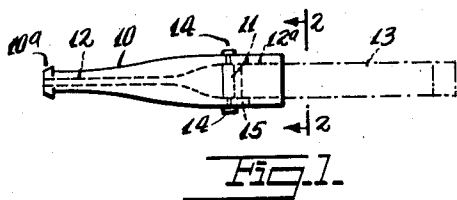
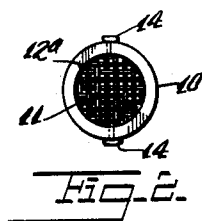
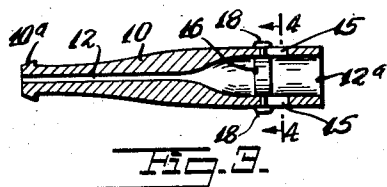
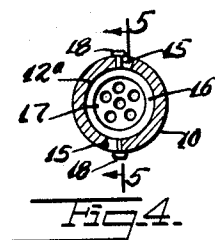
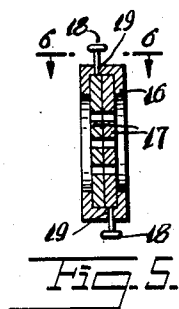
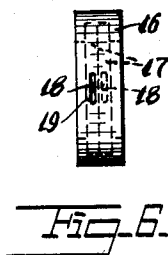
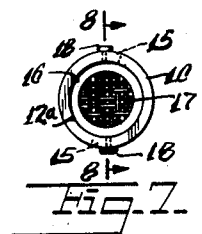
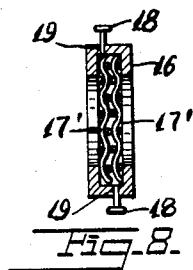
Jan. 31, 1939.

P. PALUMBO

2,145,733

FILTER AND EJECTOR FOR CIGARETTE AND CIGAR HOLDERS

Filed Feb. 1, 1938



INVENTOR
Peter Palumbo
BY *John H. Palumbo*
ATTORNEY

UNITED STATES PATENT OFFICE

2,145,733

FILTER AND EJECTOR FOR CIGARETTE AND
CIGAR HOLDERS

Peter Palumbo, New York, N. Y.

Application February 1, 1938, Serial No. 188,024

5 Claims. (Cl. 131—182)

This invention relates to new and useful improvements in a filter and ejector for cigarette and cigar holders.

More specifically, the invention proposes the construction of a combination filter and ejector characterized by a filter screen disposed transversely within the outer end of a cigarette or cigar holder and which has a means for moving the same forward to eject a cigarette or cigar from the holder.

Still further the filter screen is to act as a trap to prevent nicotine from passing through the smoke passage of the holder, and also prevent bits of tobacco from being drawn into the smoke passage and prevent smoke from passing therethrough.

Another object of this invention is to attach studs to the diametrically opposite sides of the screen, and which are adapted to extend through elongated slots arranged along the length of the holder to permit the screen to be moved forward.

Another object of this invention is to form the filter screen of pervious disc rotatively supported in a frame, and which may be adjusted with relation to each other to align or dis-align the openings in said discs for controlling the amount of smoke which will pass through the smoke passage.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 is a side view of a cigarette or cigar holder constructed according to this invention.

Fig. 2 is a view looking in the direction of the line 2—2 of Fig. 1.

Fig. 3 is a sectional view of a cigarette or cigar holder constructed according to a modification of the invention.

Fig. 4 is a sectional view on the line 4—4 of Fig. 3.

Fig. 5 is a sectional view on the line 5—5 of Fig. 4.

Fig. 6 is a sectional view on the line 6—6 of Fig. 5.

Fig. 7 is an end view of a cigarette or cigar holder constructed according to a still further modification of the invention.

Fig. 8 is a sectional view on the line 8—8 of Fig. 7.

The filter and ejector for cigarette or cigar holders, according to this invention, is to be used in conjunction with a tubular cigarette or cigar holder 10, and includes a filter screen 11 disposed transversely within the outer end of the holder 10. Means is provided for moving the screen 11 forward to eject a cigarette or cigar from the holder 10 after it has been completely smoked.

The cigarette or cigar holder 10 may be constructed of wood, bone or any other similar material and is formed at one end with a mouth-piece portion 10^a. A smoke passage 12 extends through the holder 10. The smoke passage 12 continues into an enlarged opening 12^a into which the end of a cigarette 13 is adapted to be engaged.

The filter screen 11 comprises a piece of screening material mounted within the enlarged end 12^a of the smoke passage 12 and against which the inner end of the cigarette 13 is adapted to abut. This filter screen 11 is adapted to prevent nicotine from passing through the smoke passage 12 and also prevents particles of tobacco from being sucked into the smoke passage to prevent smoke from passing therethrough.

The means for moving the screen 11 forward to eject the cigarette 13 comprises diametrically opposite studs 14 attached to the screen 11 and extending through elongated slots 15 formed in the holder 10 along the length thereof.

The operation of this device is as follows:—

A cigarette 13 is inserted into the enlarged end 12^a of the smoke passage 12 and the extended end thereof is lit. The screen 11 will act as a nicotine trap and also prevent tobacco from entering the passage 12. After the cigarette 13 has been completely smoked and it is desired to eject the same from the enlarged end of the smoke passage 12, one's fingers are engaged on the outer ends of the studs 14 and the studs are urged forward along the length of the slots 15 which causes the screen 11 to bear against the inner end of the cigarette 13 and force it out of the enlarged end 12^a of the smoke passage 12.

According to the modification shown in Figs. 3-6 inclusive, the tubular cigarette holder 10 is the same as that described in connection with the previous form of the invention, but the construction of the filter screen is slightly different in that a means is provided for controlling the amount of smoke which will pass through the smoke passage 12. An annular frame 16 is transversely mounted within the enlarged end 12^a of the smoke passage 12. Adjacent pervious discs 17 are turnably mounted within the frame 16. A

pair of diametrically opposite studs 18 extend from the frame 16 and extend through the slots 15 in the holder 10 and by which the entire frame may be moved forward for ejecting a completely smoked cigarette from the enlarged end 12^a of the smoke passage 12.

One stud 18 is mounted upon each of the pervious discs 17 and extend through a transverse slot 19 formed in said frame to permit the studs 18 to be rotated around the circumference of said frame to align or dis-align the openings in said pervious discs for controlling the amount of smoke which will pass through the smoke passage 12. The slots 15 in the holder 10 are slightly wider than the diameter of the studs 18 to permit these studs to be shifted with relation to each other to turn the pervious discs 17 within the frame 16. In other respects this form of the invention is similar to the previous form and similar parts may be identified by corresponding reference numerals.

According to the modification shown in Figs. 7 and 8, the pervious discs 17' are constructed from flat wires woven together so as to form a screen having smoke passages between the sides of the wires which are adapted to be closed in the adjusted position of the studs 18 for preventing any smoke from passing through the smoke passage 12. While it is not desired to have these passages entirely closed it is possible to do so, and in various adjusted positions of the pervious discs 17' the amount of space between the sides of the wires may be controlled for controlling the amount of smoke which will pass through the passage 12. In other respects this form of the invention is similar to the previous forms.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

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

1. A filter and ejector for a cigarette or cigar holder comprising a tubular cigarette or cigar holder, an annular frame transversely within the outer end of said holder, a pair of adjacent pervious discs turnably mounted in said frame, and a pair of diametrically opposite studs one mounted on the edge of one disc and the other on the edge of the other disc, and said studs passing through transverse slots in said frame and longitudinal slots in said holder, the latter slots being wider than the thickness of said studs to permit said studs to be rotated transversely of said frame to align and dis-align the openings in said pervious discs.

2. A filter and ejector for a cigarette or cigar holder comprising a tubular cigarette or cigar holder, an annular frame transversely within the outer end of said holder, a pair of adjacent pervious discs turnably mounted in said frame, and a pair of diametrically opposite studs one mounted on the edge of one disc and the other on the edge of the other disc, and said studs passing through transverse slots in said frame and longitudinal slots in said holder, the latter slots being wider than the thickness of said studs to permit said studs to be rotated transversely of said frame to align and dis-align the openings in said pervious discs, said pervious discs being constructed of sheet metal discs having openings formed therein.

3. A filter and ejector for a cigarette or cigar holder comprising a tubular cigarette or cigar holder, an annular frame transversely within the outer end of said holder, a pair of adjacent pervious discs turnably mounted in said frame, and a pair of diametrically opposite studs one mounted on the edge of one disc and the other on the edge of the other disc, and said studs passing through transverse slots in said frame and longitudinal slots in said holder, the latter slots being wider than the thickness of said studs to permit said studs to be rotated transversely of said frame to align and dis-align the openings in said pervious discs, said pervious discs being constructed of sheet metal discs having openings formed therein.

4. A filter and ejector for a cigarette or cigar holder, comprising a tubular cigarette or cigar holder having an enlarged front opening for receiving the end of a cigarette or cigar, an annular frame longitudinally slidably mounted transversely of said opening and manually movable in a direction to eject the remains of said cigarette or cigar after having been smoked, a pair of adjacent discs mounted in said frame and being formed with aligned openings through which the smoke from said cigarette or cigar is adapted to pass, and means for permitting the position of said discs to be adjusted for controlling the aligning of said openings to control the amount of smoke passing therethrough.

5. A filter and ejector for a cigarette or cigar holder, comprising a tubular cigarette or cigar holder having an enlarged front opening for receiving the end of a cigarette or cigar, an annular frame longitudinally slidably mounted transversely of said opening and manually movable in a direction to eject the remains of said cigarette or cigar after having been smoked, a pair of adjacent discs mounted in said frame and being formed with aligned openings through which the smoke from said cigarette or cigar is adapted to pass, and means for permitting the position of said discs to be adjusted for controlling the aligning of said openings to control the amount of smoke passing therethrough, comprising a stud mounted on diametrically opposite sides of each of said discs and each of said studs passing through aligned elongated slots formed in diametrically opposite sides of said frame and holder.

PETER PALUMBO.