Aug. 9, 1966 F. W. DAVIS 3,265,074

VENTED CIGARETTE HOLDER

Filed March 2, 1964

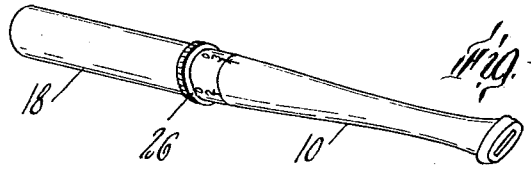


Fig. 1.

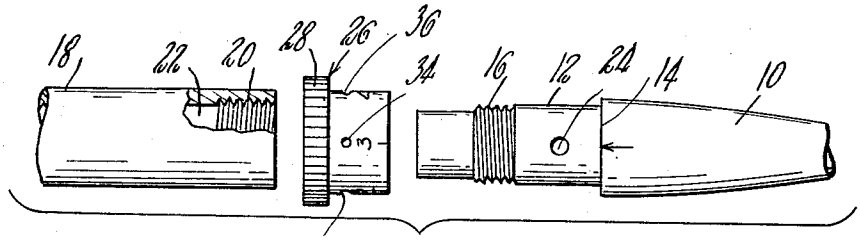


Fig. 2.

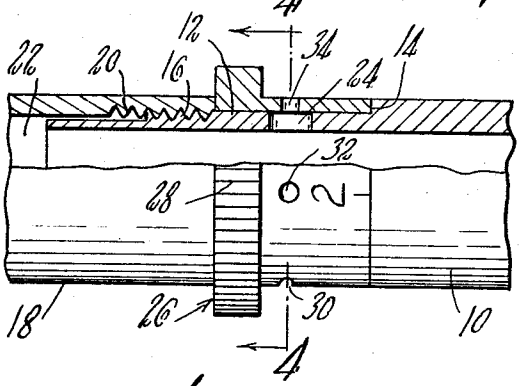


Fig. 3.

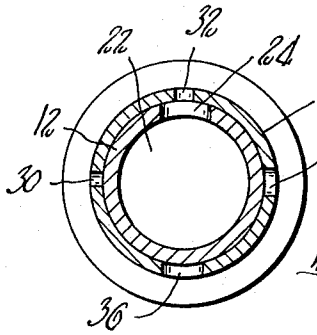


Fig. 4.

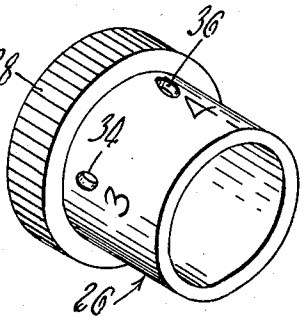
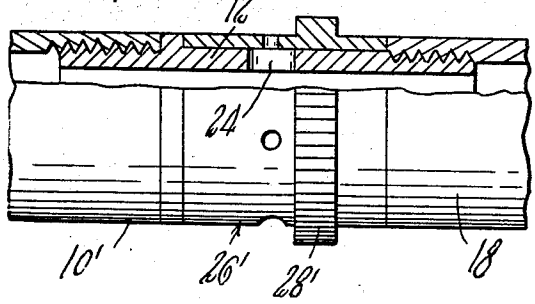


Fig. 5.

Fig. 6.



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3,265,074

VENTED CIGARETTE HOLDER

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1 Claim. (Cl. 131—198)

This invention relates to a cigarette holder which is vented to mix a controlled proportion of air with the smoke which is drawn through the holder. Several advantages result from such a dilution of the smoke from the cigarette in the holder. The actual quantity of the smoke drawn into the mouth is reduced, thus lessening the toxic effect of the smoke. The air has a cooling effect on the smoke, with the result that the smoke mixture drawn into the mouth is lighter and pleasanter than undiluted smoke. For health reasons, physicians often advise patients to cut down on their smoking. Where a certain number of cigarettes per day has become a fixed habit, such a reduction is often difficult to accomplish. By mixing the smoke with air, the desired reduction can be obtained without otherwise changing the established smoking habit. Attempts to realize these objectives have resulted in a number of patents showing various devices.

In ventilating smoke from a cigarette, it is desirable that the degree of dilution be constant and that it be adjustable to suit different requirements. An object of the present invention is to provide a cigarette holder which can be easily made by a small modification of a holder now on the market, the modified holder being readily adjustable to dilute the smoke by different constant amounts. This is done by the provision of a collar rotatively adjustable to move any one of a number of vent holes of different diameters into operative position and to lock the collar in any adjusted position.

For a more complete understanding of the invention, references may be had to the following description thereof, and to the drawing, of which

FIGURE 1 is a perspective view of a vented cigarette holder embodying the invention;

FIGURE 2 is an exploded elevational view of the same on a larger scale, both ends being broken off;

FIGURE 3 is a fragmentary elevation, on a still larger scale, of the parts shown in FIGURE 2, partly broken away to show in section;

FIGURE 4 is a section on the line 4—4 of FIGURE 3;

FIGURE 5 is a perspective view of the collar shown in FIGURE 4; and

FIGURE 6 is an elevational view, similar to FIGURE 3, of a modified form of the invention.

The vented holder illustrated on the drawing can be easily and economically made by minor alterations in a holder now on the market. That holder consists of two parts screw-threaded together. One part is the mouth-piece having a forward portion of reduced diameter with a few screw threads on the outer surface. The other part is a tubular member adapted to receive an end of a cigarette and provided with a few interior screw threads to engage the threads on the mouth-piece part. As modified according to the invention, the mouth-piece part **10** has a portion **12** of reduced diameter forming a shoulder **14** spaced from the screw threads **16**. The tubular member **18** with the interior threads **20** is not changed. The member **18** and mouth-piece part **10** have the usual duct **22** through which smoke is drawn from the cigarette into

the mouth. A radial hole **24** extends outward from the duct **22** through the wall of the reduced portion **12** of the mouth-piece part. A thin sleeve **26** is fitted on the reduced portion **12** and is rotatable thereon. The sleeve is preferably provided with a knurled flange **28** to facilitate rotative adjustment. A series of holes of graduated sizes are provided in the wall of the sleeve. Four such holes **30**, **32**, **34**, **36** are shown but the number of holes may be more or less as desired. In one embodiment of the invention, the four holes are made by drills of the following sizes:

Hole	Drill size	Diameter, inches
30	69	.0292
32	66	.0330
34	63	.0370
36	60	.0400

These sizes are given by way of example and not limitation. The hole **24** through the wall of the mouth-piece part is larger than any of the holes through the sleeve. Rotative adjustment of the sleeve brings any of the holes in the sleeve into registration with the hole **24** so that a vent of definite size is had. As indicated in FIGURE 3, when the holder is assembled, the tubular member **18** only presses against one end of the sleeve **26** and presses the other end of the sleeve into binding contact with the shoulder **14**, thus frictionally locking the sleeve against rotation regardless of any small variations there may be in the length of sleeves **26** when manufactured in quantity. The sleeve can be easily released for rotative adjustment by slightly unscrewing the tubular member **18**.

The form of the invention shown in FIGURE 6 is like that shown in FIGURE 3 except that the mouth-piece part is in two parts **10'** and **12'**, screw-threaded together, instead of in one part **10** as shown in FIGURE 3. A sleeve **26'** with a knurled flange **28'** is nearly identical with the sleeve **26** and is locked against rotative movement by being pressed between shoulders on the parts **18** and **12'**.

I claim:

A vented cigarette holder comprising a mouth-piece having a tubular end portion of reduced diameter forming a shoulder, said reduced end portion having a screw-threaded part spaced from said shoulder and a radial hole through the wall thereof between the threaded part and the shoulder, a sleeve rotatably fitted on said reduced portion between said shoulder and said threaded part, said sleeve having a knurled flange and a series of holes of various sizes selectively registrable with the hole through said wall be rotation of the sleeve, and a tubular cigarette-receiving part in threaded engagement on said threaded part, the end of said cigarette-receiving part bearing only against an end of said sleeve to press the other end of the sleeve into binding engagement with said shoulder to lock the sleeve against rotation.

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