Sept. 8, 1925. 1,552,548

H. DONIVAN ET AL

SPARK CATCHER

Filed June 5, 1924

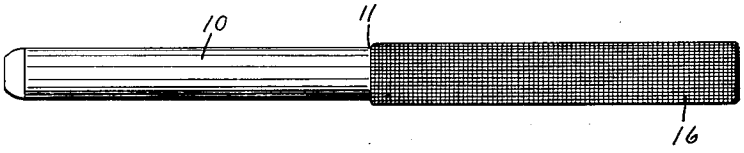


FIG. 2.

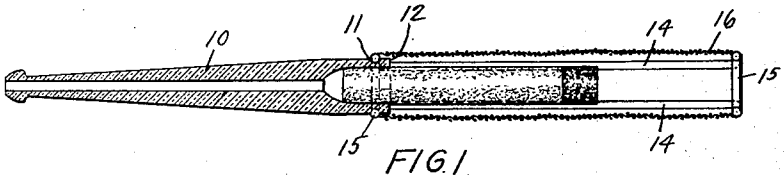


FIG. 1

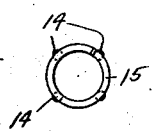


FIG. 3

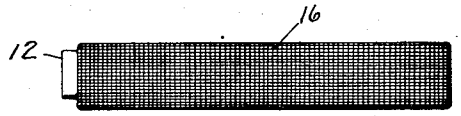


FIG. 4

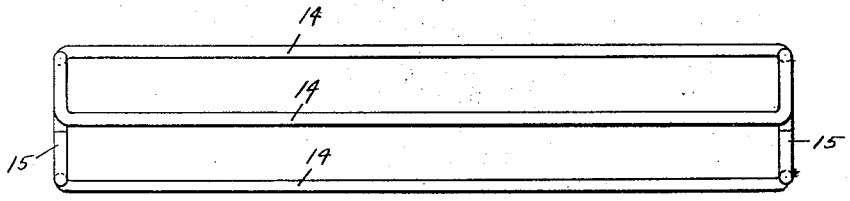


FIG. 5

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UNITED STATES PATENT OFFICE.

HARRY DONIVAN AND MERRILL R. HOFF, OF PORTLAND, OREGON.

SPARK CATCHER.

Application filed June 5, 1924. Serial No. 718,003.

To all whom it may concern:

Be it hereby known that we, HARRY DONIVAN and MERRILL R. HOFF, citizens of the United States, and residents of Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Spark Catcher, of which the following is a specification.

This invention relates to the use of tobacco in the form of cigarettes and cigars.

An object of our invention is to provide an exceedingly simple and efficient ash catcher which will prevent live ashes from damaging objects with which they may come in contact, and also to prevent lighted cigarettes and cigars from scorching objects upon which they may rest.

A second object is to so construct the device that it can be telescoped with the holder of the cigarette to reduce its length in the pocket.

A third object is to so construct the device that it will spring into place in a groove prepared for same in the cigarette holder in order to securely hold same in place, and also hold it in proper alignment with the cigarette holder.

We accomplish these results in the manner set forth in the following specification and as illustrated in the accompanying drawing, in which:—

Figure 1 is a section of our device of which Figure 2 is a plan, and Figure 3 is a side elevation. Figure 4 shows same in its telescoped form and Figure 5 is an elevation of the frame without its wire cloth covering.

Similar numbers of reference refer to the same parts throughout the several views.

Referring in detail to the drawing, we have illustrated a holder 10 having a small groove 11 formed near the cigarette holding end 12, and the usual mouth piece 13.

The guard itself consists of a cylindrical frame consisting of four wires 14 joined at their ends by the spring rings 15. A fine wire cloth 16 covers the frame and the rings 15, which are of a size to fit snugly in the grooves 11 of the holder 10. The rings 15 may be equal in diameter or vary to suit different sizes of holders. The groove 11 may even be dispensed with. In fact, the cloth covered frame is adapted to fit on the tapered end of any holder within its range, since the open rings 15 are of spring material.

While the ends of the cloth covered frame can be closed, if desired, this is not absolutely necessary inasmuch as the ashes will not be glowing or burning when they can emerge from the open end of the frame.

While carrying the device in the pocket it is convenient to reverse the relation of the frame and the holder by telescoping same together. Enough of the holder projects from the frame in this case to permit its ready removal.

It is evident that the same device on a larger scale can be employed for use with cigars as well as with cigarettes.

We are aware that various forms of guards have been provided for pipes, cigars and cigarettes, we therefore do not claim such devices broadly, but we do intend to cover all such forms and modifications as fall fairly within the appended claims.

We claim:

1. A guard for cigarette holders consisting of a plurality of parallel wires arranged around in cylindrical form and having open rings joining the ends of said wires; and a wire cloth covering the sides of said cylindrical frame.

2. The combination of a cigarette holder having a mouth piece, a cigarette holding end and a groove formed around its cigarette holding end, with a cylindrical wire frame, said frame having wire cloth covered sides and having circular wire ends adapted to slip over the end of said holder and seat in its groove.

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