Jan 6, 1931. W. R. WINTER 1,787,650

SELF IGNITING CIGAR OR CIGARETTE

Filed March 3, 1928

Fig. 1.

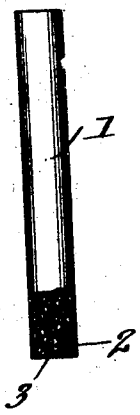


Fig. 1a

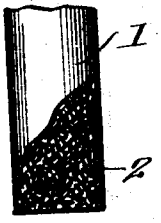


Fig. 2.

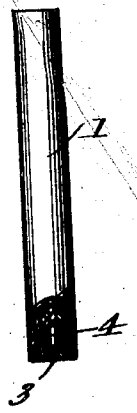


Fig. 3.

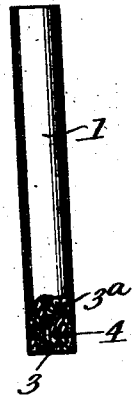


Fig. 4.



Fig. 5.

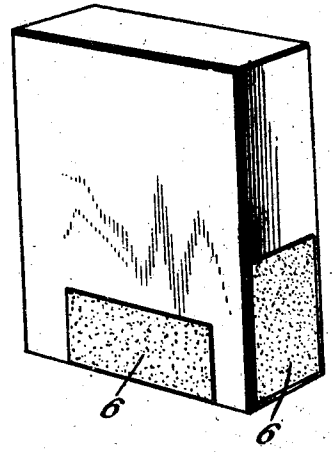


Fig. 6.

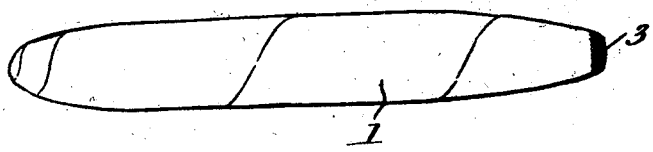


Fig. 6a



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UNITED STATES PATENT OFFICE

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SELF-IGNITING CIGAR OR CIGARETTE

Application filed March 3, 1928. Serial No. 258,933.

This invention relates to a smoker's article, such as a cigar or cigarette, which is provided with means for igniting the same, making it unnecessary to use a separate match or lighter.

The principal object of the invention is to incorporate with the smoker's article an igniter in such a manner that each article will carry its own igniting medium without in any way interfering either with the neat appearance of the article itself or without detracting from the enjoyment of the smoker.

To this end the invention contemplates the provision of a cigarette or cigar with an igniting medium in various forms attached to or incorporated with one end of the article either on the outside thereof, on the inside beneath the outer layer, whether of paper or tobacco, or imbedded in the tobacco. The invention contemplates the use of either an igniting medium, which may be fired by friction from any surface, or it may be of the safety variety, which requires a prepared frictional surface for ignition.

The invention further contemplates the arrangement, combination and construction of parts more fully described hereinafter, and shown in the accompanying drawings in which:

Fig. 1 is an elevation of a cigarette embodying my invention.

Fig. 1*a* is a sectional view of Fig. 1

Fig. 2 is a modified form of the invention.

Fig. 3 is a view of still another modification.

Fig. 4 is a view showing another form of the device.

Fig. 5 is a view of a cigarette case provided with a striking surface.

Fig. 6 is a view of a cigarette embodying my invention, and

Fig 6*a* is a view of an igniting cap for the article of Fig. 6.

Referring specifically to the drawings, I have shown a cigarette of the ordinary form at 1, having applied to the smoking tip thereof a piece of paper 2 slightly heavier and stronger in texture than the covering paper normally used. This paper carries an igniting mixture 3 of the usual match variety, which is not specifically described here as no claim is made to the composition. This paper 2 may be located on the outside of the cigarette tip or as shown in Fig. 1*a* it is preferable that it be located on the inside, the ordinary cigarette paper covering the same. In this latter case the thin cigarette paper offers no resistance to ignition when the tip is scratched upon a hard surface as the paper tears away, thus exposing the ignition mixture.

In Fig. 2 I have shown the cigarette 1 provided at its end with an igniting mixture 3 carried on the end of a short stick or suitable element 4. This element may be a roll of paper or any material strong enough to carry a drop of the ignition medium. I contemplate that this carrier containing the ignition mixture will be forced into the end of the cigarette so that the part 3 will either be flush with or project slightly beyond the cigarette end. In this form the cigarette may be ignited by simply drawing the end flatwise upon a rough surface.

As a modified form of the device of Fig. 2 I have shown in Fig. 3 the carrier 4 to be provided with two drops of igniting mediums 3 and 3*a*. In some instances it has been found that the ignition of a cigarette will not be complete upon the burning of one igniter, and it is therefore desirable that means be provided for supplementing this first ignition. In the device of Fig. 3 it is contemplated that the additional accumulation of ignition material 3*a* will be sufficiently close to the initial igniter 3 as to supplement the same, and therefore completely start the burning of the cigarette throughout the entire end thereof.

It may be desirable for manufacturers to provide caps to be placed over the end of a cigarette normally ignited by separate means. In this way the smoker may readily light his ordinary cigarette without the use of a match or separate igniter. In this form and as shown in Fig. 4 the cap merely consists of a paper cup or the like 5, to the end of which is applied the ignition material 3. The diameter of the cup 5 is such as to snugly fit the end of the cigarette.

Where the ignition medium is of such a character commonly designated in the art as safety material it can be ignited by providing the necessary missing ignition element upon a scratch plate 6 located upon the side of the cigarette box or container, or the ignition medium may be complete in itself, such as of the brimstone variety. The striking plate 6 may be merely of roughened or frictional material.

I contemplate the adaptation of the invention to cigars as well as cigarettes, and one form is shown in Fig. 6, which is similar to that shown in Fig. 2, except that the application is made to a cigar.

Fig. 6*a* shows a cap adapted for a cigar and carrying the ignition medium.

As a further modification it will be obvious that the entire end of the cigar or cigarette may be dipped into the liquid igniting medium, or applied directly thereto without the ignition mixture being carried by a separate medium.

In the claim where I refer to a cigarette I intend to cover cigars or any tobacco carrying smoker's article, which ordinarily must be ignited with a match or the like.

I claim:

In combination, a cigarette, igniting means carried thereby, said means comprising a carrier adapted to be imbedded at the end of the cigarette, said carrier being provided with spaced apart masses of ignition mixture, one supplementing and augmenting another.

In testimony whereof I affix my signature.

WILLIAM R. WINTER.