

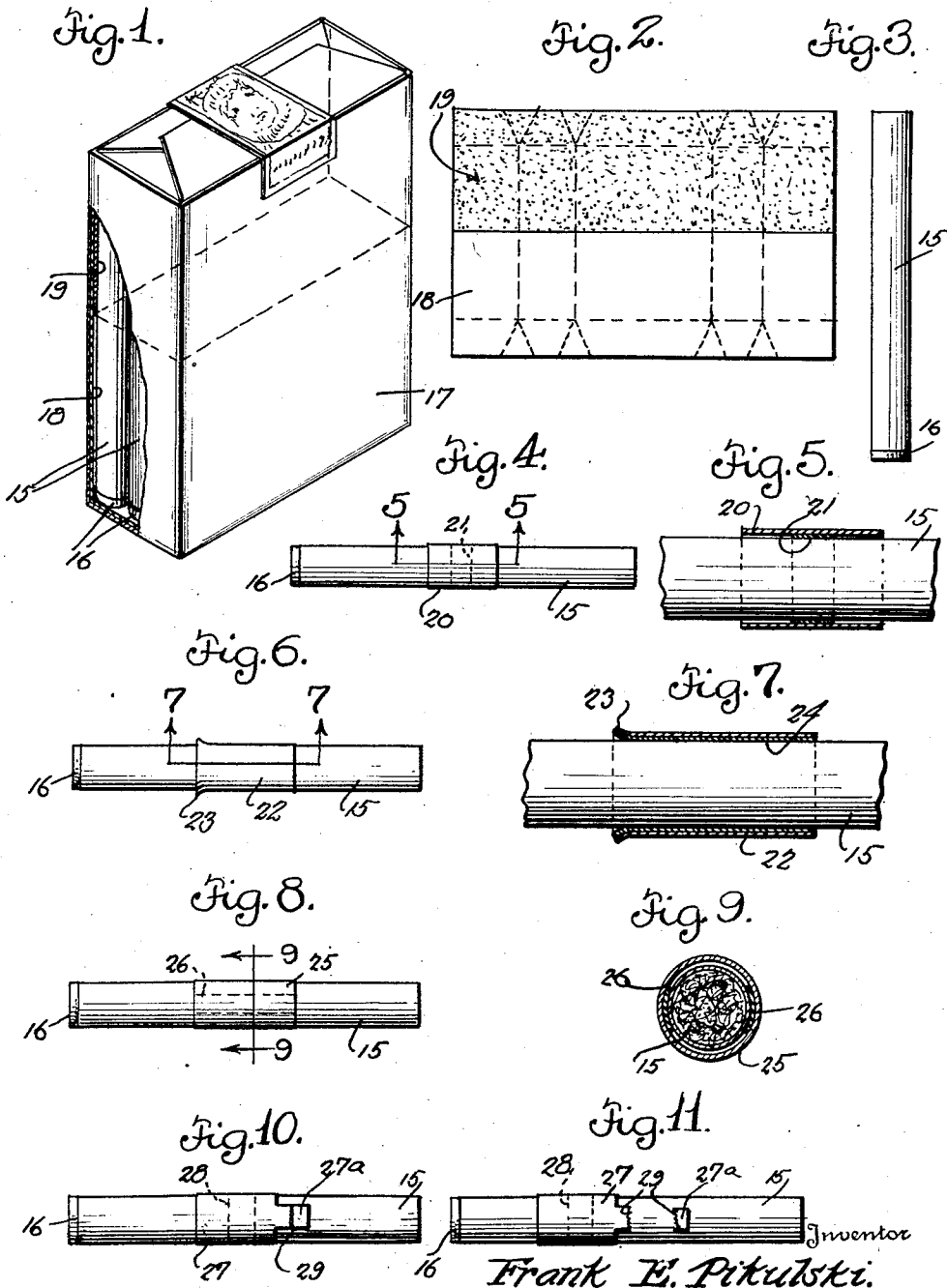
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IGNITING DEVICE FOR CIGARS AND CIGARETTES

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IGNITING DEVICE FOR CIGARS AND CIGARETTES

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This invention relates to certain new and useful improvements in igniting devices for cigars and cigarettes.

The primary object of the invention is to provide an igniting device for cigars and cigarettes.

The primary object of the invention is to provide an igniting device for cigars and cigarettes that eliminates the use of matches and thereby greatly reduces fire hazard and wherein the igniting material for the cigar or cigarette is carried by the end of the cigar or cigarette to be lighted, while the striking surface or material with which the ignition material upon the cigar or cigarette is to be engaged may be carried by the cigar or cigarette to effect lighting of the cigarette or cigar when removed therefrom, the striking surface or material being then disguised with the cigar or cigarette properly lighted for smoking.

It is a further object of the invention to provide an igniting device for cigars or cigarettes wherein ignition material or substances carried by the end of the cigar or cigarette to be lighted are adapted to be moved over and in contact with the striking surface or material that may form a part of the closure wrapper of a receptacle, container or the like, the cigar or cigarette being ignited when removed from the container or receptacle.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing:

Figure 1 is a perspective view, partly broken away and shown in section of a cigarette container constructed in accordance with the present invention and illustrating ignition material carried by the end of the cigarette to be lighted and a striking surface forming a part of the closure or wrapper of the receptacle;

Figure 2 is a developed plan view of a part of the wrapper of the receptacle shown in

Figure 1, illustrating a striking surface or substance on the upper portion of the inner face of the wrapper;

Figure 3 is a side elevational view of a cigarette equipped with ignition material on the end thereof to be lighted;

Figure 4 is a side elevational view of a cigarette showing a striking band inclosing the same to effect ignition of the cigarette when removed or slid therefrom;

Figure 5 is a detail sectional view taken on line 5—5 of Figure 4, showing the cigarette band and the band of striking substance disposed adjacent the cigarette wrapper and set inwardly of the inclosing band;

Figure 6 is a side elevational view of a cigarette with another form of striking band thereon wherein one end is flared to facilitate removal thereof from the cigarette;

Figure 7 is a detail sectional view taken on line 7—7 of Figure 6, showing the striking surface or substance occupying the entire interior area of the inclosing band;

Figure 8 is a side elevational view of a cigarette with another form of striking band thereon;

Figure 9 is a cross-sectional view taken on line 9—9 of Figure 8, wherein the striking surface or substances are in the form of longitudinally extending strips at opposite sides of the inner face of the inclosing band;

Figure 10 is a side elevational view of a cigarette with another form of striking band thereon wherein one end of the band is adhesively secured to the cigarette wrapper and having a series of tearing perforations to permit removal of the striking section of the band from the cigarette; and

Figure 11 is a side elevational view, similar to Figure 10 showing the band sections separated on the tearing line of perforation.

While it is to be understood that this invention is adapted for application to cigars or cigarettes, the same is herein illustrated as associated with cigarettes and the object of the invention is to effect lighting of the cigarette without the use of matches, considerable difficulty being experienced in the lighting of cigarettes by the use of matches, especially in the presence of air current and par-

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ticularly when driving automobiles, one form of the invention comprising a cigarette container or package having a striking area therein for ignition material carried by one end of the cigarette, while in another form of the invention, the striking surface or material is in the form of a band inclosed on each cigarette to effect lighting of the cigarette when removed therefrom.

The method and means employed in the ignition of the cigarette is similar to the use of the ordinary safety match wherein it is required that the ignition material carried by the match stick be moved over a special type of striking surface or material to effect ignition of the match, the cigarette 15 as illustrated in the drawing, being of the usual character, the igniting material carried by the end of the cigarette to be lighted being in the form of a relatively narrow strip 16 surrounding the cigarette wrapper and adhesively or otherwise secured thereto. In the form and use of the invention as illustrated in Figures 1 to 3, the reference numeral 17 designates an ordinary paper wrapper receptacle that has a paper liner 18, the upper section of which is provided with a striking surface or material 19 at the end of the package or receptacle to be opened and through which open end the cigarettes 15 are withdrawn. The striking material 19 is of a character to effect firing of the ignition material 16 carried by the cigarette and when a cigarette is withdrawn from the package or receptacle 17, the striking surfaces 19 may be gripped by the fingers of the user at the outer side of the receptacle to cause frictional contact between the material 16 and the striking material 19, the cigarette being thereby lighted when withdrawn from the receptacle and eliminating the use of matches.

In the form of invention illustrated in Figures 4 and 5, the cigarette 15 is provided with the ignition tip 16 and is enclosed by a band 20 of a length sufficient to permit gripping thereof by the fingers of the user. As shown in Figure 5, the band 20 has a relatively narrower band 21 secured to the inner face thereof intermediate the ends of a striking substance or material that lies in contact with the cigarette 15 so that when the band 20 is slidably removed from the cigarette 15, the striking substance 21 moves over the ignition material 16 to effect lighting of the cigarette. Another form of the invention is shown in Figures 6 and 7 wherein the cigarette 15 is enclosed by a band 22 having one end thereof flaring outwardly as at 23 to insure easy removal thereof from the cigarette. As shown in Figure 7, the entire inner face of the collar 22 is provided with a striking surface or substance 24, the band 22 effecting lighting of the cigarette when slidably removed therefrom.

Still another form of the invention is illus-

trated in Figures 8 and 9 wherein the cigarette 15 is inclosed by a band 25, the striking surface or material within the band 25 being illustrated in Figure 9 as comprised of longitudinally extending striking surfaces or strips 26 secured to the inner face of the band 25 and it is to be understood that one or more of these striking surface strips 26 may be provided.

To insure retention of the band upon the cigarette while the latter is being removed or withdrawn from a full package or receptacle, the band 27 as shown in Figures 10 and 11 carrying an interior striking surface band 28 has an end tab 27a thereof adhesively secured to the cigarette, the end tab 27a carrying a row of tearing perforations 29 so that when the cigarette and its ignition band are removed from the package or receptacle, the band may be separated upon the tearing line of perforation 29 as illustrated in Figure 11 and the band portion 27 then slidably removed from the cigarette to effect lighting thereof by passage over ignition tip 16.

From the above detailed description of the invention, it is believed that the construction and use thereof will at once be apparent and while there are herein shown and described the preferred embodiments of the invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:

1. In a cigarette lighter, igniting means at one end of the cigarette and a striking element slidably associated with the igniting means to effect lighting of the cigarette, said striking element including a band surrounding the cigarette, and a striking surface secured to the inner face of the band inwardly of opposite ends thereof.

2. In a cigarette lighter, igniting means at one end of the cigarette and a striking element slidably associated with the igniting means to effect lighting of the cigarette, said striking element including a band surrounding the cigarette, and a striking surface forming a lining for the band.

3. In a cigarette lighter, igniting means at one end of the cigarette and a striking element slidably associated with the igniting means to effect lighting of the cigarette, said striking element including a band surrounding the cigarette, a striking surface forming a lining for the band, and one end of the band flaring outwardly to facilitate sliding removal of the band from the cigarette.

4. In a cigarette lighter, igniting means at one end of the cigarette and a striking element slidably associated with the igniting means to effect lighting of the cigarette, said striking element including a band surrounding the cigarette, and a longitudinal striking surface strip secured to the inner face of the band.

5. In a cigarette lighter, igniting means at one end of the cigarette and a striking element slidably associated with the igniting means to effect lighting of the cigarette, said striking element including a band surrounding the cigarette, a striking surface secured to the inner face of the band inwardly of opposite ends thereof, a tab at one end of the band being adhesively secured to the cigarette and said tab having a row of tearing perforations to permit removal of the band.

In testimony whereof I affix my signature.

FRANK E. PIKULSKI.

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