

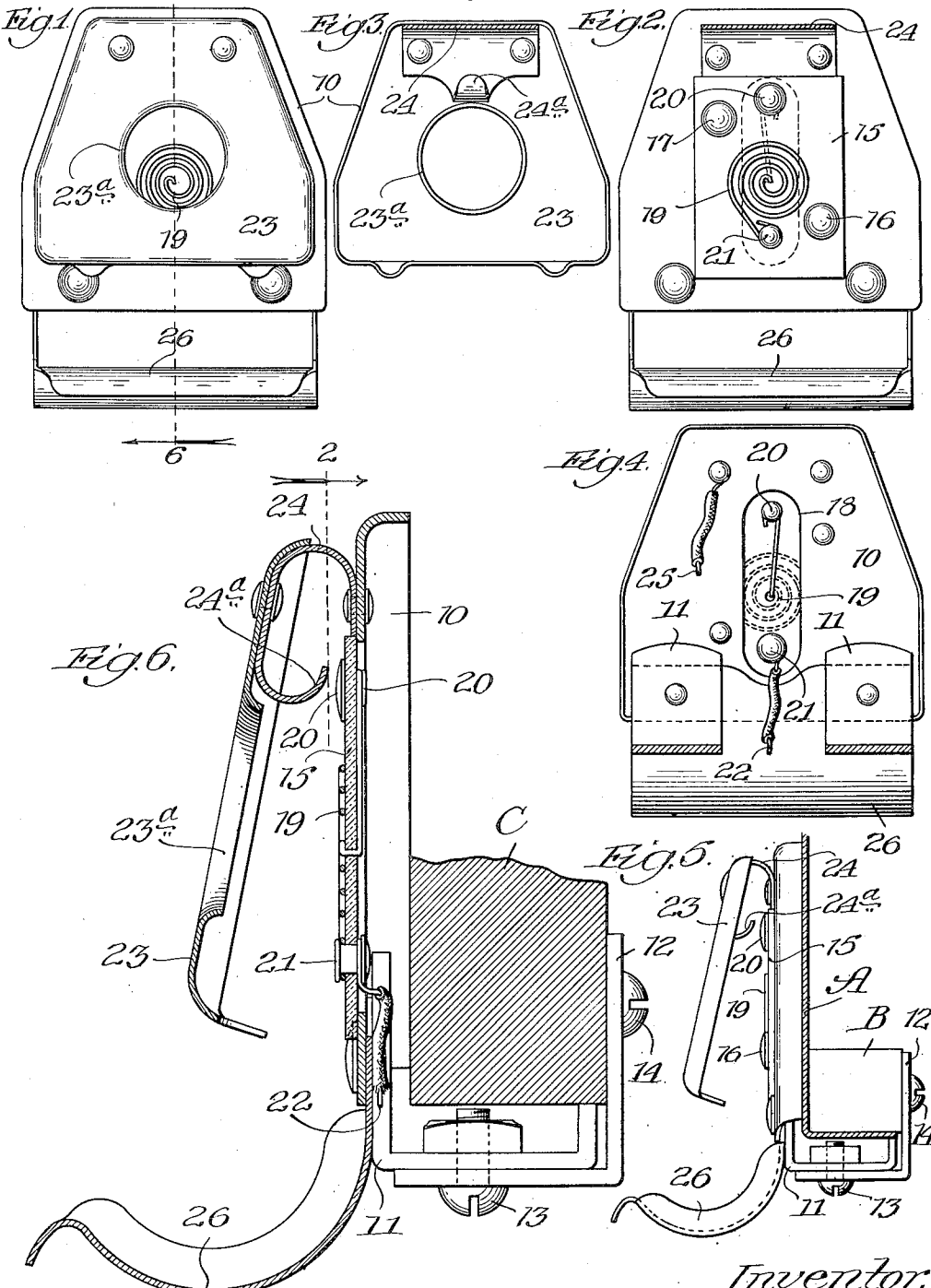
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CIGAR LIGHTER

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UNITED STATES PATENT OFFICE.

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CIGAR LIGHTER.

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This invention relates to cigar lighters and the like and is particularly adapted to be applied to the dash of automobiles. The invention is fully described in the following specification and shown in the accompanying drawings in which:

Figure 1 is a front elevation of a cigar lighter;

Fig. 2 is a similar view showing the operating plate removed;

Fig. 3 is a rear elevation of the operating plate;

Fig. 4 is a rear elevation of the cigar lighter showing the attaching brackets removed;

Fig. 5 is a side elevation of the cigar lighter; and

Fig. 6 is an enlarged vertical section on the line 6 of Fig. 1.

The embodiment illustrated comprises a stamped metal frame 10 having lugs 11 secured thereto. Attaching brackets 12 are secured to these lugs by means of bolts 13 which pass through elongated holes so that the lugs 12 may be moved to accommodate dashes of different thicknesses.

Where the dash is of stamped sheet metal as shown at A in Fig. 5, a wooden block B is inserted and the brackets 12 secured thereto by means of screws 14. Where, however, the dash is of wood as shown at C in Fig. 6, the screws 14 pass directly into the back of the dash.

A sheet 15 of mica or other insulating material is secured to the frame 10 by means of rivets 16 and 17, and fits over an opening 18 in the frame 10.

A heating coil 19 is secured to the front of the sheet of mica, one end of the coil being secured to a rivet 20 which passes through the sheet of mica, while the opposite end is secured to a rivet 21 also passing through the mica, the latter rivet being connected to a lead 22 to the storage battery or other source of electrical current, not shown.

A metal operating plate 23 is connected at its upper end to the upper end of the sheet metal frame 10 by means of a metal spring 24 so that a light pressure on the face of the operating plate 23 will force it toward the body 10. The end of this spring is bent at 24^a to overlie the rivet 20 as shown in Fig. 6, so that as the operating plate 23 is depressed the end 24^a will make

contact with the rivet 20, thereby closing the circuit through the lead 22, the heating element 19, the rivet 20, the spring 24, the metal body 10 and thence through the metal dash to the frame of the automobile which is assumed to be grounded on the opposite pole of the storage battery.

Where, however, the wood dash is used or where the opposite pole of the battery is not grounded on the frame of the automobile, or even where a bad contact might exist between the body 10 and the dash, a lead 25 (Fig. 4) is provided which may be carried to any convenient point to insure completion of the circuit.

An opening 23^a is provided in the operating plate 23, and this lies immediately over the heating element 19 so that the operator may hold his cigar or cigarette between his fingers, the cigar extending through the opening 23^a so as to make contact with the heating element 19 while he presses the operating lever down with the same hand so as to close the switch, thereby heating the element 19.

An ash tray 26 is secured to the bottom of the frame 10 and serves both to catch the ashes which fall from the cigar or cigarette and to form a tray for holding the same.

While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes therefore in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed in the appended claims, in which it is my intention to claim all novelty inherent in my invention as broadly as possible in view of the prior art.

I claim:

1. In a cigar lighter, a body, a heating grid carried thereby and insulated therefrom, a switch in series circuit with said grid, said switch comprising a stationary contact, and a lever member movably carried by said body and having an opening in front of the grid through which a cigar may be presented to the grid as the switch lever is moved to closed position.

2. In a cigar lighter, a body, a heating grid carried thereby and insulated therefrom, a switch in series circuit with said grid, said switch comprising a stationary contact, a lever member movably carried by

said body and having an opening in front of the grid through which a cigar may be presented to the grid as the switch lever is moved to closed position, and a tray formed on the bottom of said body for catching ashes.

3. In a cigar lighter, a body, a heating grid carried thereby and insulated therefrom, a switch in series circuit with said grid, said switch comprising a stationary contact, and a lever member movably carried at its upper edge by said body and having an opening in front of the grid through which a cigar may be presented to the grid

as the switch lever is moved to closed position. 15

4. In a cigar lighter, a body, a heating grid carried thereby and insulated therefrom, a switch in series circuit with said grid, said switch comprising a stationary contact, and a lever member flexibly carried at its upper edge by said body and having an opening in front of the grid through which a cigar may be presented to the grid as the switch lever is moved to closed position. 20 25

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