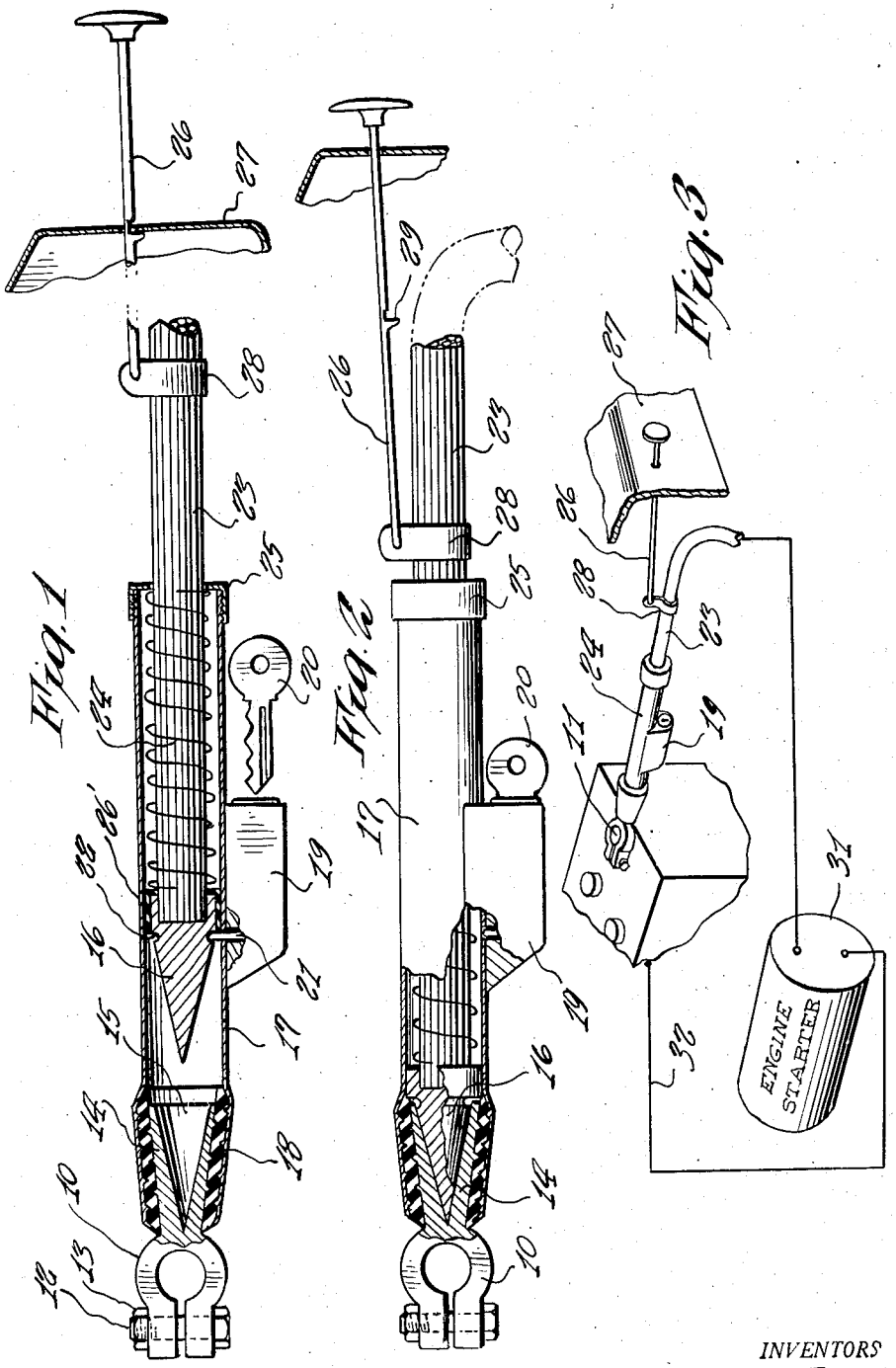
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BURGLAR AND FIRE SAFETY SWITCH

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BURGLAR AND FIRE SAFETY SWITCH

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1 Claim. (Cl. 200—52)

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This invention relates to a burglar and fire proof battery cable.

It is an object of the present invention to provide a burglar and fire proof battery cable whereby when the automobile is stored there will be no danger of fire caused by some short circuit which might develop throughout the car and wherein there is provided a simple means for disconnecting the battery at times when a short circuit has resulted, as for example when the horn continues to blow or at such times when it is desired to work upon the ignition system of the automobile without the battery being in the circuit.

It is another object of the present invention to provide a burglar and fire proof battery cable which has a lock key associated therewith for causing the movable connecting element to be held in a retracted position and out of contact with a fixed contact element and wherein a locking key is required to again make the connection and wherein to make it difficult for a burglar to make the connection with the battery and to circumvent the ignition switch.

Other objects of the present invention are to provide a burglar and fire proof battery cable which is of simple construction, easy to install upon the automobile, truck or tractor, inexpensive to manufacture, adapted to be operated from the interior of the automobile, has a lock requiring a key to release the parts, compact and consumes little space, has a minimum number of parts and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which

Fig. 1 is a longitudinal sectional view of the device embodying the features of the present invention.

Fig. 2 is a side elevational view with portions broken away and with the contacting element moved forwardly for engagement with the fixed contact on the battery terminal.

Fig. 3 is a perspective view of the device connected to a battery and the wiring diagram showing the connection of the device and battery to the engine starter.

Referring now to the figures, 10 represents a terminal contact adapted to be made secure to a battery terminal 11 by a bolt 12 and nut 13 in the usual manner. This terminal contact 11 has a portion 14 with a V-shaped contact opening 15 adapted to receive a conical movable contact 16. Surrounding the portion 14 is a metal sleeve 17

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which is separated from the portion 14 by insulation 18. This sleeve is made rigid with the portion 14. Both the inner face of the sleeve 17 and the portion 14 of the terminal contact 10 have small projections to insure good gripping engagement with the insulation 18.

On the sleeve is a lock device 19 adapted to be operated by a key 20. This lock device has an insulated latch projection 21 engageable in a notch 22 of the tapered contact 16. With the latch element 21 in engagement therewith the contact 16 will be held in a retracted position and the circuit connection with the battery broken.

A cable 23 is fixed to the contact 16 and will be urged forwardly with the contact by a spring 24 within the sleeve and reacting between an internally threaded cap 24 fixed to the sleeve and the contact 16. The contact can be insulated from the sleeve by insulation 26' so as to slide in the sleeve free of metal to metal contact therewith.

The contact 16 will be held in its retracted position as shown in Fig. 1. The cable 23 can be pulled rearwardly by a rod 26 extending through a dash 27 and connected to the cable by means of a ring clamp 28. A catch projecting 29 on the rod 26 will hold the same in place on the dash.

The device can be connected to the battery in the manner as shown in Fig. 3 and to engine starter 31 through a cable 32.

When the contact 16 is made free of the latch 21, it will move forwardly to the position shown in Fig. 2 to establish a contact with the portion 14 and more particularly the tapered surface 15 thereof. To retract the same, the rod 26 is pulled and the key 20 turned to release the latch element 21.

It should now be apparent that there has been provided a battery terminal device wherein the battery can be quickly and easily and effectively disconnected from the electric circuit of the automobile in a quick and easy manner and that the burglarizing of the automobile would require the destruction of the device or a new battery terminal in addition to the short circuiting of the ignition switch.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claim.

Having thus set forth and disclosed the nature of our invention, what is claimed is:

A burglar and fire proof battery cable device

which comprises a terminal member adapted to be connected to a battery terminal, said member having a tapered contact portion with a tapered opening therein, insulating member about the tapered contact portion a sleeve connected about the insulating member and shrunk around the insulating member and around the battery terminal contact portion and extending laterally therefrom, a cable extending through the sleeve, a tapered contact adapted to fit the tapered opening of the contact portion of the member and connected to the cable, a lock device having a latch element and carried on the sleeve and adapted to engage with the tapered contact to hold the same and the cable outwardly of the contact portion of the terminal member, and spring means reacting against the sleeve and the tapered contact to urge the tapered contact into

engagement with the tapered opening of the contact portion of the terminal member.

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