Jan. 24, 1928.

1,657,358

I. I. HANCE

CIGAR LIGHTER

Filed Sept. 2, 1926

Fig. 1.

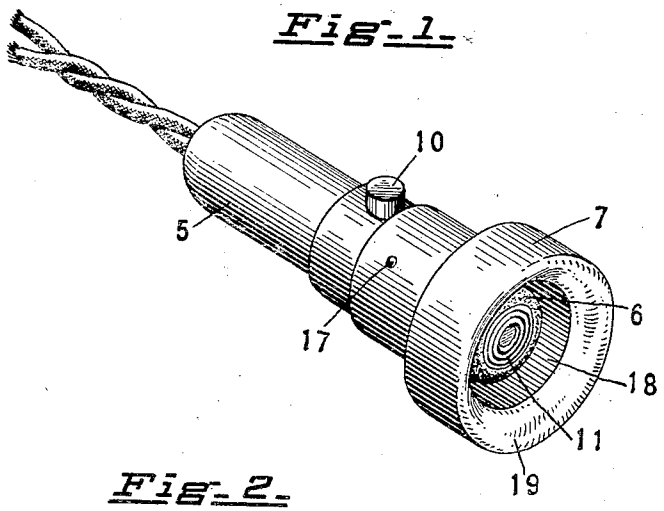


Fig. 2.

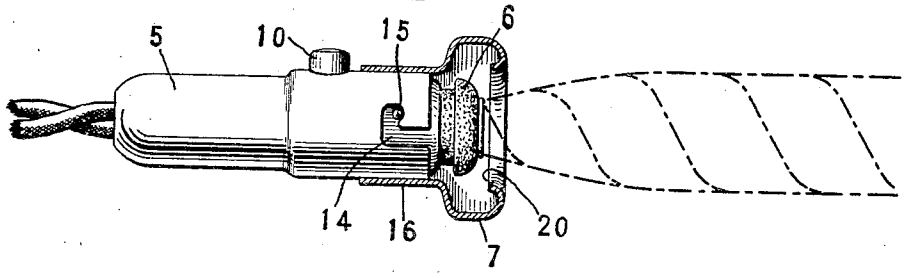


Fig. 3.

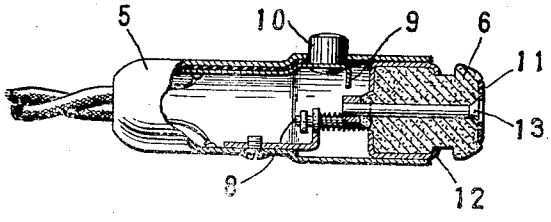
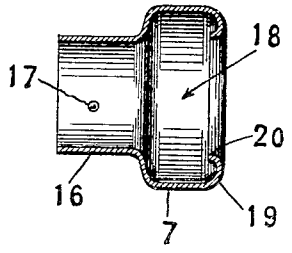


Fig. 4.



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UNITED STATES PATENT OFFICE.

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CIGAR LIGHTER.

Application filed September 2, 1926. Serial No. 133,155.

The main object is to provide a guard for the igniter and a receptacle for the sparks and ashes incident to the lighting of a cigar.

In its preferred and simple form, the invention contemplates three main parts, namely, a socket, an igniter, and a protector. These three elements are so designed and proportioned as to facilitate lighting the cigar or cigarette and at the same time prevent the sparks and ashes from flying in the wind or dropping while in an ignited state.

Fig. 1 is a perspective view of a device embodying the improvements of my invention.

Fig. 2 is a side view showing the protector in section and indicating a cigar by dot and dash lines.

Fig. 3 is a longitudinal sectional view of the socket and igniter.

Fig. 4 is a longitudinal sectional view of the protector or guard by itself.

The socket or handle member 5 may be of any suitable construction, preferably on the end of the usual conductor cord or cable.

The igniter 6 may be of any suitable construction adapted preferably to be detachably mounted in the end of a socket member.

The protector, guard or shield 7 is preferably formed of sheet metal and adapted to be detachably assembled with respect to the socket and igniter elements.

The socket is provided with suitable contact terminals such as 8 and 9, electrically connected to the cable in any suitable manner. The current may be supplied in any suitable manner to the device, either through any suitable form of automatic switch or through a hand-operated switch. In the particular form shown, one or more spring plungers 8 may constitute one of the circuit contacts in the socket and the spring switch member 9 may constitute the other contact. Contact 9 may be insulated from the casing of the socket and adapted to be operated by a push button 10 in any suitable manner.

The igniter preferably has a resistance or heating coil 11 in a shallow recess in its outer end. One end of this coil is directly or indirectly connected with the sleeve 12 which in turn is adapted to be electrically connected with the housing of the socket either through its outer wall or through its rear wall and engagement with the spring-pressed plunger 8. The other end of the igniter coil is connected to a central pin or rivet 13 whose rear end is mounted in proximity to the contact member 9 of the switch or otherwise adapted to be connected in the socket, for instance, through an automatic switch of common well-known type, (not shown). The igniter is preferably detachably mounted in the socket, being held in any suitable manner, as for instance, by means of one or more bayonet slots 14 and one or more projecting lugs 15.

The protector 7 is preferably formed of sheet metal and provided with a sleeve for detachable connection with the socket. This detachable connection may be effected in any well-known manner, as for intsance, by a sleeve 16 having one or more inwardly projecting lugs 17 adapted, for instance, to be interlocked with the bayonet slots 14 in the socket. The protector is provided with an outwardly extending portion 18 forming a substantial enlargement or groove around the outer end of the igniter body and the heater coil. The outer end of the protector is flanged inwardly at 19 so as to provide an outer wall for this groove. The extreme edge is also preferably flared backwardly so as to provide additional security. The parts of the igniter, the socket, and the protector are so proportioned that there is not only room enough through which the end of a cigar or cigarette may be inserted into the protector and to the igniter, but so that there is room for the circulation of air around the igniter sufficient for combustion but without permitting wind to blow on the tip of the cigar or the igniting coil. It will also be noted that the parts are so positioned and proportioned that the tip of the igniter 6 is spaced away from the metal parts of the protector and from the socket so that the heat of the coil is not transmitted either to the protector or to the socket.

As such devices are quite commonly employed in automobiles where they are more or less conspicuous, it is desirable that the device be more or less artistic and attractive in appearance, and the construction has ac-

cordingly been designed with this element in view as well as with the practical operative considerations above referred to. I accordingly reserve the right to claim the ornamental design as a separate invention.

I claim:

1. As an article of manufacture, a protector for an electric cigar lighter, said protector being formed of sheet metal and provided with an attaching collar, and an outwardly extended surrounding wall of greater diameter with an inwardly curled flange providing an ash receiving channel adapted to surround the igniter unit.

2. As an article of manufacture, a protector for an electric cigar lighter, said protector having an attaching collar, and an outer surrounding wall of materially greater diameter than the collar with an inwardly turned edge providing an ash receiving channel adapted to surround the igniter unit.

ISAAC IRVING HANCE.