F. GRANDICH.

CIGAR AND CIGARETTE LIGHTER.

APPLICATION FILED NOV. 18, 1919.

1,386,616. Patented Aug. 9, 1921.

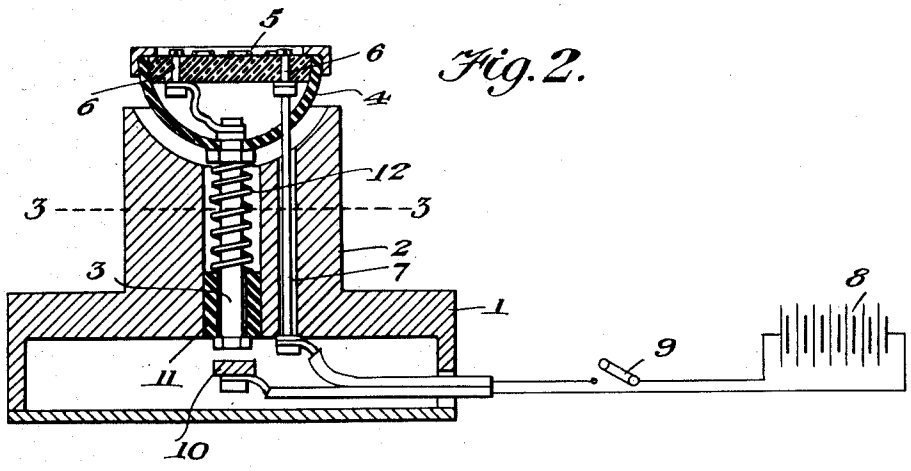


Fig. 2.

Fig. 3.

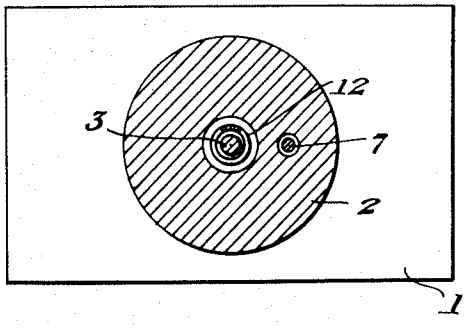
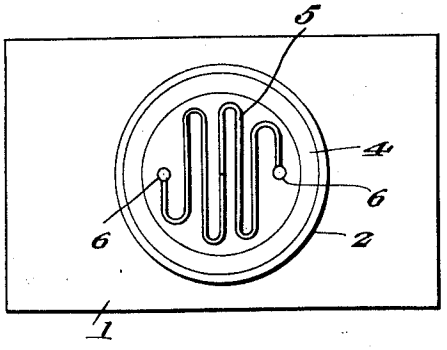


Fig. 1.



WITNESS:

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CIGAR AND CIGARETTE LIGHTER.

1,386,616. Specification of Letters Patent. Patented Aug. 9, 1921.

Application filed November 18, 1919. Serial No. 338,872.

To all whom it may concern:

Be it known that I, FELIX GRANDICH, a citizen of the United States, residing at Bronx, in the county of Bronx and State of New York, have invented new and useful Improvements in Cigar and Cigarette Lighters, of which the following is a specification.

This invention relates to cigar and cigarette lighters and the principal object of the invention is to provide means whereby the pressure of the cigar or cigarette upon a resistance coil will complete the circuit to said coil so that the same will glow and thus ignite the cigar or cigarette.

Another object of the invention is to place the coil on a spring plunger which is located in a base.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is an elevation of the device.

Fig. 2 is a longitudinal section.

Fig. 3 is a cross section on line 3—3 of Fig. 2.

In these views 1 indicates a base which carries the upright tubular member 2. The plunger rod 3 passes through this tubular member and the upper end of the rod is provided with a semi-spherical head 4 which is made of suitable non-conducting material. This head supports the coil 5 which has its ends connected with the pins 6 carried by the head. One of these pins is in electric connection with the rod 3 and the other pin is connected by the conductor 7 with the battery 8. A switch 9 is located in this conductor. The battery 8 is connected with a contact 10, carried by the base and located under the lower end of the plunger rod 3. A sleeve 11 is located in the lower part of the tubular member 2 and surrounds the lower part of the plunger rod. This sleeve forms a seat for the lower end of the spring 12, which surrounds the plunger rod and has its upper end pressed against the head. The conductors pass through the base and upright 2 so as to be hidden from view.

It will thus be seen that when a cigar or cigarette is pressed against the coil 5 the plunger rod will be lowered so as to bring its lower end against the contact 10 and thus complete the circuit to the coil. The current passing through the coil will cause the same to glow and thus ignite the cigar or cigarette. When it is desired to render the device inoperative the switch 9 may be opened.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

A cigar or cigarette lighter comprising a base, a tubular upright carried thereby, a spring plunger located in the tubular upright, a semi-spherical head of non-conducting material connected with the upper end of the spring plunger, a resistance coil carried by said head, a contact in the base and located below the lower end of the plunger and an electric circuit including said contact and the coil.

In testimony whereof I affix my signature.

FELIX GRANDICH.