

Sept. 7, 1943.

H. DE HAVEN

2,328,965

CIGARETTE HOLDER AND THE LIKE

Filed April 18, 1941

Fig. 1

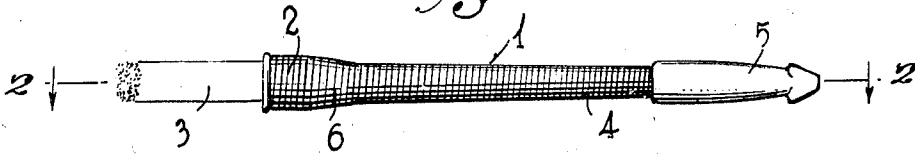


Fig. 2

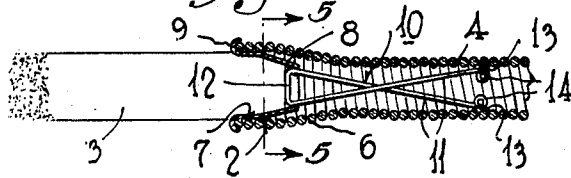


Fig. 5



Fig. 3

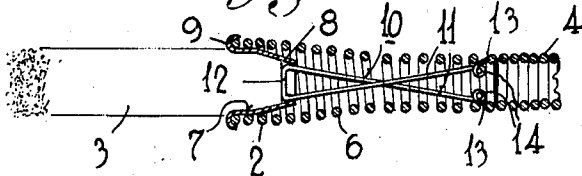


Fig. 4

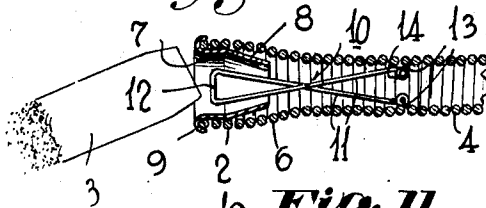


Fig. 11

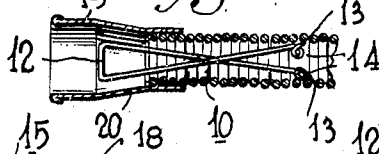


Fig. 6

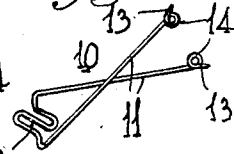


Fig. 8

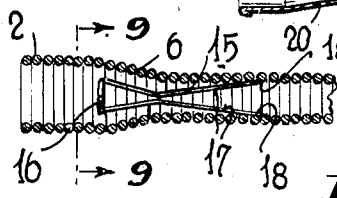


Fig. 7

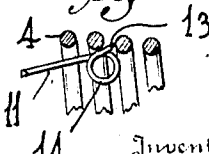


Fig. 10

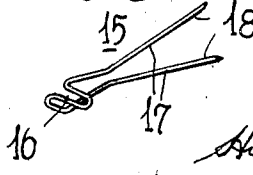
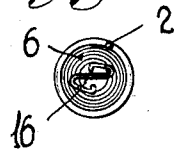


Fig. 9



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UNITED STATES PATENT OFFICE

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CIGARETTE HOLDER AND THE LIKE

Hugh De Haven, New York, N. Y.

Application April 18, 1941, Serial No. 389,236

9 Claims. (Cl. 131-182)

This invention relates to cigar and cigarette holders and is particularly directed to an improved mechanism for ejecting the cigar or cigarette from the holder.

This application is a continuation-in-part of my co-pending application, Serial No. 272,552, filed May 9, 1939.

The primary object of this invention is to provide a simple and inexpensive ejector for use particularly with a cigar or cigarette holder having a smoke tube at least part of which consists of spirally wound wire forming a coil spring.

Another object of the invention is to provide an ejector that is operated by merely extending the coils of wire in the smoke tube and then permitting the same to contract to normal position.

A further object of the invention is to provide an ejector that may be formed from a single length of metal wire.

A still further object of the invention is to provide an ejector that does not have any interfitting or machined parts that are subject to wear or have to be replaced.

A still further object of the invention is to provide an ejector that may be easily removed from the holder to facilitate cleaning of the smoke passage as well as the ejector.

Other objects of this invention will become apparent from the following specification and the accompanying drawing that forms a part thereof.

In the drawing, wherein like numerals designate like parts throughout the several views,

Figure 1 is an elevation of a holder constructed in accordance with the invention and showing a cigarette positioned therein;

Figure 2 is an enlarged fragmentary longitudinal sectional view taken on the line 2-2 of Figure 1;

Figure 3 is a similar view, but showing the smoke tube in extended position and the ejector therein preparatory to the ejection of a cigarette;

Figure 4 is the same view as Figure 3, but after the smoke tube has returned to its contracted position and the ejector has operated to eject the cigarette;

Figure 5 is a transverse sectional view taken on the line 5-5 of Figure 2;

Figure 6 is a perspective view of the ejector;

Figure 7 is an enlarged fragmentary longitudinal sectional view of the smoke tube in extended position;

Figure 8 is a fragmentary longitudinal sectional view of a modified form of holder embodying my invention;

Figure 9 is a transverse sectional view thereof taken on the line 9-9 of Figure 8;

Figure 10 is a perspective view of an ejector used in this modification; and

Figure 11 is a fragmentary longitudinal sectional view of another modified form of holder embodying my invention.

In the drawing, I have shown my invention embodied in a cigarette holder. However, it should be understood that the features of the holder and ejecting mechanism which comprise the present invention may be adapted to operate equally well in either a cigar or a cigarette holder without departing from the scope of the invention.

By reference to the drawing, it will be seen that the holder comprises a smoke tube 1 formed of spirally wound wire, having an enlarged portion 2 at one end adapted to receive and hold a cigar or cigarette 3, and a body portion 4 extending from said enlarged portion to the opposite end of the smoke tube. The body portion 4 may be tapered slightly so it will fit snugly into a bit or mouthpiece 5 and form a substantially air tight connection therewith.

The enlarged portion 2 and the body portion 4 of the smoke tube 1 are connected by a tapered portion 6 that provides a smooth surface for the smoke tube and also gives it a pleasing appearance.

A ferrule 7 may be inserted in the enlarged portion 2 to hold the cigarette 3. The inner diameter of the ferrule 7 is slightly smaller than the outer diameter of the cigarette so cigarette is compressed slightly when it is inserted in the holder. The innermost portion 8 of the ferrule is tapered for a purpose to be hereinafter described. A rim 9 is formed on the outer end of the ferrule and this rim partially encircles the first coil of wire in the enlarged portion 2 of the smoke tube to hold the ferrule in place.

The coil spring smoke tube 1 is tightly wound so that the convolutions of the spiral will fit snugly adjacent each other to form a substantially air tight wall about the passage through the tube. The coils are of sufficient stiffness to normally resist movement of the convolutions from their snugly adjacent positions. However, the smoke tube, by reasons of its coil spring-like construction, may be extended and contracted as shown in Figures 3 and 4 to operate an ejector

upon extension and subsequent contraction of said tube to forcibly eject said article from said holder.

2. A holder for an article of the character described comprising a spring like smoke tube adapted to hold said article, and an ejector disposed in said tube, said ejector cooperating with said tube to eject said article upon extension and subsequent contraction of said tube.

3. A holder for an article of the character described including a smoke tube formed of a strip of spirally wound wire, and an ejector cooperating with said tube and operable upon extension and subsequent contraction thereof to eject said article from said holder.

4. In holder for an article of the character described, a coil spring tube, means for holding said article substantially in longitudinal alignment with said tube, and an ejector having an element engaged with said tube to move said ejector relative to said holding means upon extension and subsequent contraction of said tube thereby ejecting said article from said holding means.

5. In a holder for an article of the character described, a coil spring tube, means for holding said article substantially in longitudinal alignment with said tube, and an ejector having an abutment movable longitudinally in said holding means to engage and force said article from said holding means, said ejector having a pair of legs connected to said abutment and extending into and engaging the coils forming said tube whereby said abutment is moved relative to said holding means upon extension and contraction of said coil spring tube.

6. In a holder for an article of the character described, a coil spring tube connected between means for holding said article and a mouthpiece, and an ejector having an abutment movable

longitudinally within said holding means and a pair of legs extending from said abutment into said tube with points on the ends of said legs adapted to engage the coils of said tube, said legs being arranged to slide over said coils during extending movement of said tube and to engage with said coils during contracting movement of said tube whereby said abutment is moved relative to said holding means and said article is forced from said holding means.

7. In a holder for an article of the character described having a smoke passage at least a portion of which is formed of a coil spring, means for holding said article, and an ejector having an abutment movable in said article holding means and an element extending from said abutment into the coil spring portion of said tube, said element being adapted to be engaged by the coils forming said portion to move said abutment relative to said holding means by extending and contracting said coil spring portion thereby forcibly ejecting the article from said holder.

8. A holder for an article of the character described, comprising a spring like smoke tube, and an ejector disposed in said tube, said ejector having a pair of diametrically opposed elements slidably engaged with the inner walls of said smoke tube and being rendered operative upon extension and subsequent retraction of said tube to forcibly eject said article from said holder.

9. A holder for an article of the character described, comprising a spring like smoke tube adapted to hold said article, an ejector for forcibly ejecting said article from said holder, said ejector having means engageable with said tube and rendered operative upon the extension and subsequent retraction of said tube.

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DECIMAL FINDER

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