J. B. INGALLS.

CIGARETTE HOLDER.

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1,419,141. Patented June 13, 1922.

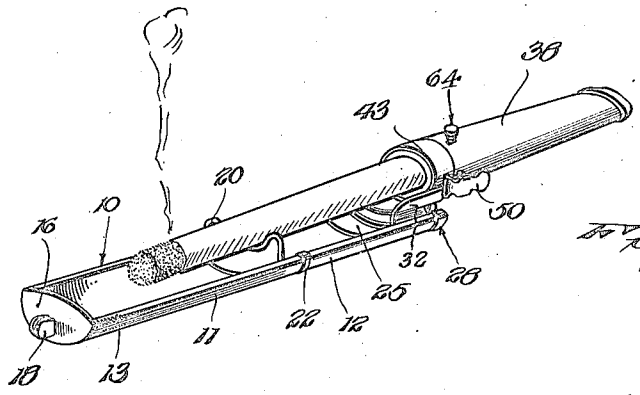


Fig. 1.

Fig. 2.

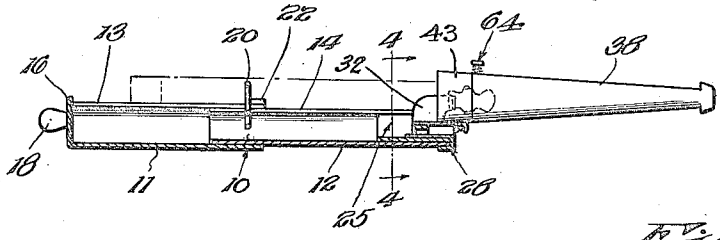


Fig. 3.

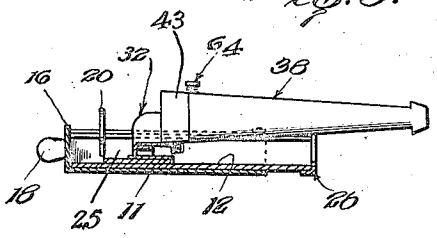


Fig. 4.

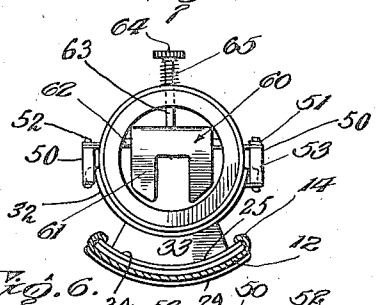


Fig. 6.

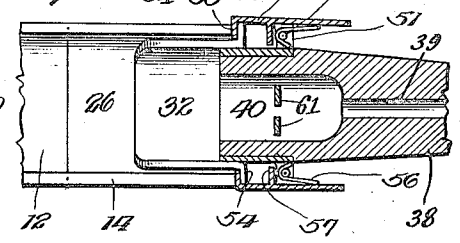
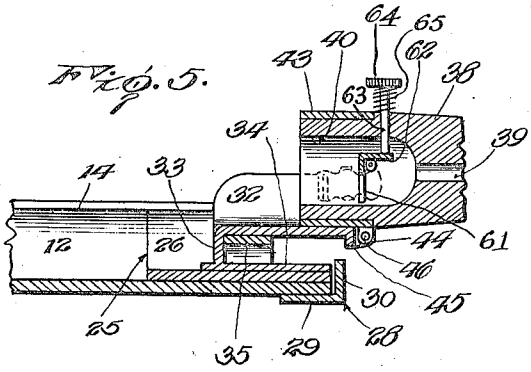


Fig. 5.



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CIGARETTE HOLDER.

1,419,141. Specification of Letters Patent. Patented June 13, 1922.

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To all whom it may concern:

Be it known that I, JOSEPH B. INGALLS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cigarette Holders, of which the following is a specification.

This invention relates to improvements in smoking apparatus and more particularly to cigarette holders.

An important abject of this invention is to provide a cigarette holder having novel means whereby cigarette stumps may be ejected without soiling the hands.

A further object of this invention is to provide a cigarette holder having novel means for collecting the ashes from the cigarette as the cigarette burns so that the ashes will not be allowed to drop upon the clothing or the furniture.

A further object of the invention is to provide novel means whereby the device forming the subject-matter of this application may be readily and conveniently folded or collapsed so as to occupy a minimum of space when carried in one's pocket.

A further object of the invention is to provide a device of the class described which is simple, desirable in use and cheap to manufacture.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawing forming a part of this application and in which like numerals are employed to designate like parts through the same,

Figure 1 is a perspective of the improved cigarette holder in use,

Figure 2 is a central vertical longitudinal sectional view through the same,

Figure 3 is a vertical longitudinal sectional view through the device folded or collapsed,

Figure 4 is a vertical transverse section taken on the line 4—4 of Figure 2,

Figure 5 is a central vertical detailed section through the device,

Figure 6 is a detail horizontal section through the device.

In the drawing wherein for the purpose of illustration is shown a preferred embodiment of the invention the numeral 10 generally designates a tray which is composed of front and rear transversely curved slidably connected sections 11 and 12. With particular reference to Figure 2, it will be noted that the longitudinal edge portions of the sections 11 and 12 are curved inwardly to form flanges 13 and 14 having sliding connection whereby the sections are permitted to move longitudinally with respect to each other for either collapsing or extending the tray. In addition to slidably connecting the sections 11 and 12 of the extensible tray, the inwardly extending interfitting flanges 13 and 14 serve as an efficient means for preventing the ashes collected in the tray from sliding over the side of the same. The forward section 11 is provided with a forward end wall 16 having a pair of ears 18 formed on its outer side which form finger pieces or manipulating elements whereby the sections 11 and 12 may be moved longitudinally with relation to each other. A transversely extending bracket 20 formed from a single length of wire is secured to the forward portion of the rear section 12 and has its intermediate portion spaced upwardly from the adjacent portion of the section and formed with a socket or recess for receiving the adjacent portion of the cigarette. The end portions of the length of wire from which the bracket is formed are soldered or otherwise secured to the edge portions of the rear section 12. A pair of short straps 22 are secured to the edge portions of the forward section 11 at the rear portion of the same and have their upper end portions extended over the flanges 13 and 14 so as to engage the bracket 20 as the sections are moved to their extended positions whereby the sections are prevented from becoming entirely separated. It is, therefore, apparent that the bracket 20 serves the dual purpose of supporting the forward portion of a cigarette and of forming a stop element to limit the extension of the tray whereby the sections of the tray are prevented from becoming disconnected.

With particular reference to Figures 1, 5 and 6, it will be noted that a carriage 25 is carried by the rear section of the tray and comprises a transversely curved base plate 26 snugly fitted upon the rear section 12 and having its longitudinal edge por-

tions engaged by the inwardly extending flanges 14 so that displacement of the base plate is prevented. The carriage is prevented from moving rearwardly out of the section 12 by a stop element 28 having a transversely curved attaching plate 29 secured to the under side of the rear section 12 and a transverse flange 30 which extends upwardly and engages the base plate 26. The stop element 28 is, of course, applied after the carriage is arranged within the tray section. The base plate 26 of the carriage is slidable within the section 12 and is limited in its forward movement by the bracket 20 so that in addition to supporting the forward portion of the cigarette and limiting the extension of the tray, the bracket serves to limit the forward movement of the carriage whereby the carriage is prevented from moving forwardly out of the rear section.

As particularly illustrated in Figure 5, a transversely curved seat or chair 32 is carried by the carriage 25 and is provided at its forward end with a downwardly extending flange 33 which is soldered or otherwise rigidly secured to a plate 34 carried by the base plate 26. The chair or seat 32 is also supported by a transversely extending bracket 35 in the form of an elongated strip of metal.

A cigarette holder 38 is connected with the carriage and has a longitudinally extending opening 39 communicating with a socket 40 in the forward portion of the holder and which is adapted to receive the rear portion of a cigarette. A band or annulus 43 surrounds the forward portion of the stem of the holder and is provided with a pair of depending apertured ears 44 arranged on opposite sides and alined with a similar ear carried by a downwardly extending flange 45 of the chair 32. The apertured ears 44 and the single apertured ear of the transversely curved chair 32 receive a pivot element or hinge pin 46 which serves to hingedly connect the holder with the carriage. The stem of the holder may be locked in the position illustrated in the several views of the drawing by a pair of locking arms 50 pivoted intermediate their ends to opposite sides of the band through the medium of laterally projecting ears 51 and a pair of spaced vertically arranged pivot pins 52. The forward portions of the locking arms 50 are extended inwardly to form dogs or catches 53 adapted to engage and interlock with laterally projecting ears 54 formed on opposite sides of the chair 32. The laterally projecting ears 54 are formed by providing longitudinal incisions in the rear portion of the chair 32 and subsequently bending the partly severed portions outwardly. Leaf springs 56 extend about the pivot pins 52 and have their end portions engaged with the stem and the rear portions of the locking arms 50 so that the catches 53 are normally held in engagement with the laterally projecting ears 54. The leaf springs 56 are prevented from displacement and are concealed from view by inwardly extending shoulders 57 formed on the inner sides of the locking arms 50. The particular advantage residing in hinging the stem to the chair 32 is the fact that the cigarette may be more readily inserted into the socket 40 when the stem is positioned angularly with relation to the tray. That is to say, the tray may be moved downwardly out of the way when it is desired to insert the cigarette into the socket. By this construction the bracket 20 is moved downwardly and, therefore, does not interfere with connecting the cigarette to the stem. Also the stem may be more readily cleaned when the tray is moved downwardly out of the way.

An ejector 60 is arranged within the socket and is provided with a pair of downwardly spaced arms 61 which are adapted to engage the rear end of a cigarette when moved upwardly about the axis of a pivot pin extending across the socket. The ejector 60 is formed with a rearwardly extending knocker arm 62 which is adapted to be engaged by a plunger 63 extending out through the upper side of the stem and provided with a handle or knob 64. A coil spring 65 surrounds the stem of the plunger between the knob 64 and the upper side of the stem and serves as a means for normally urging the plunger outwardly. When the plunger is manually depressed, the arms 61 are swung pivotally for effectively ejecting the cigarette stump. In the use of the improved cigarette holder and ash tray, the tray is first moved downwardly to permit of the ready insertion of the cigarette into the socket and the tray is subsequently moved upwardly and locked to the stem or cigarette holder by the locking arms 50. With the cigarette thus connected with the stem the forward portion of the same is mounted upon the transversely extending bracket 20. As the cigarette burns the ashes drop and are collected in the tray so that the ashes are not allowed to drop upon the clothing or furniture. The provision of the tray allows the device to be laid upon a table or other support without the possibility of the cigarette damaging the support. In other words, the tray may be rested upon a table or the like without the necessity of extending the forward end of the cigarette over the side of the table.

After the cigarette has burnt the ashes may be dumped into a suitable receptacle and the cigarette stump may be readily ejected by depressing the plunger 63. The device may now be folded by telescoping the sections 11 and 12 and by moving the car-

riage forwardly to the limit of its movement. The device collapsed as illustrated in Figure 3, occupies a minimum of space and may be carried around in one's pocket with convenience.

It is to be understood that the form of the invention herewith shown and described is to be taken as a preferred example of the same and that such minor changes and construction of parts may be made as will remain within the spirit of the invention and the scope of what is claimed.

Having thus described the invention, what is claimed as new is:

1. A cigarette holder comprising a tray, a carriage mounted upon the tray, and a holder connected with the carriage.

2. A device of the class described comprising a tray, a carriage mounted upon the tray, a holder connected with the carriage, and means carried by the tray for supporting the forward portion of a cigarette.

3. A device of the class described including a tray, a carriage slidably mounted upon the tray and provided with a chair, and a holder carried by the chair.

4. A device of the class described including a tray, a carriage mounted upon the tray and provided with a chair, and a holder hingedly connected with said chair.

5. A device of the class described including a tray, a carriage mounted upon the tray and provided with a chair, a holder hingedly connected to the rear portion of the chair, and locking means carried by the holder and said chair for locking the stem against movement with relation to the chair.

6. A device of the class described including a tray having inwardly extending flanges along its longitudinal edges for retaining the ashes collected within the tray, a carriage slidably connected with the tray and having a base plate curved transversely to conform to the curvature of the tray, the edge portions of said base plate being confined within said flanges, and a holder carried by the carriage.

7. A device of the class described comprising a tray having inwardly extending flanges along its longitudinal edges, said tray being curved transversely and comprising a pair of slidably connected sections, means to limit the extension of said tray, a carriage arranged within one of the sections of the tray and having a transversely curved base plate, the longitudinal edge portions of said base plate being confined between said inwardly extending flanges and the adjacent portions of said tray, and a holder carried by said carriage.

8. A device of the class described comprising a tray, a carriage mounted upon the tray and having a transversely curved chair, a holder hinged to the rear end of said chair, locking arms pivoted intermediate their ends to opposite sides of said holder and having their forward ends extended inwardly to form catches, the rear portion of said transversely curved chair being formed with laterally extending ears adapted to be engaged by said catches whereby the holder is detachably locked against movement with relation to said chair.

9. A device of the class described comprising a tray, a carriage slidably carried by the tray and having a transversely curved chair, a holder horizontally pivoted to the rear end of said chair, a pair of locking arms pivoted intermediate their ends to opposite sides of said holder and having their forward ends provided with catches, said chair being provided with ears adapted to engage said catches whereby the holder is detachably locked against movement with relation to said carriage, coiled springs confined between said locking arms and said holder for engaging said catches with said ears, and means carried by said tray for supporting the forward portion of a cigarette.

10. A device of the class described comprising a tray, a carriage mounted upon the tray and including a base plate and a transversely curved chair, said chair having its forward portion extended downwardly and secured to said base plate, means carried by said tray for limiting the longitudinal movement of the carriage, a holder connected to said chair, and means carried by said tray for supporting the forward portion of a cigarette.

11. A device of the class described including a tray comprising a pair of interfitting sections having their longitudinal edge portions provided with inwardly extending interfitting flanges which connect the sections and confine the ashes collected within the tray, a bracket carried by one of the sections for supporting the forward portion of a cigarette, a holder carried by the tray, and straps overhanging one of the sections and engaged by said bracket whereby the extension of the tray is limited.

12. A cigarette holder comprising a tray having front and rear interfitting longitudinally slidable sections, a bracket carried by the rear section and adapted for supporting the forward portion of a cigarette, stop elements carried by the rear portion of the forward section and cooperating with said bracket to limit the extension of said sections, a carriage slidably carried by the rear portion of said tray and limited in its forward movement by said bracket, means carried by the rear end of the rear section to limit the rearward movement of said carriage, and a stem carried by the said carriage.

13. A cigarette holder comprising a stem having a socket in its forward end, an ejector arranged within the socket and compris-

ing a pair of downwardly extending arms and a rearwardly extending knocker arm, and a plunger adapted to engage said knocker arms.

14. A device of the class described comprising a stem having a socket in its forward end, an ejector arranged within the socket and comprising vertical and horizontal portions, means pivotally supporting said ejector, and a spring actuated plunger extending through said stem and engaging the rearwardly extending portion of said ejector.

In testimony whereof I affix my signature.

JOSEPH B. INGALLS. [L. S.]