

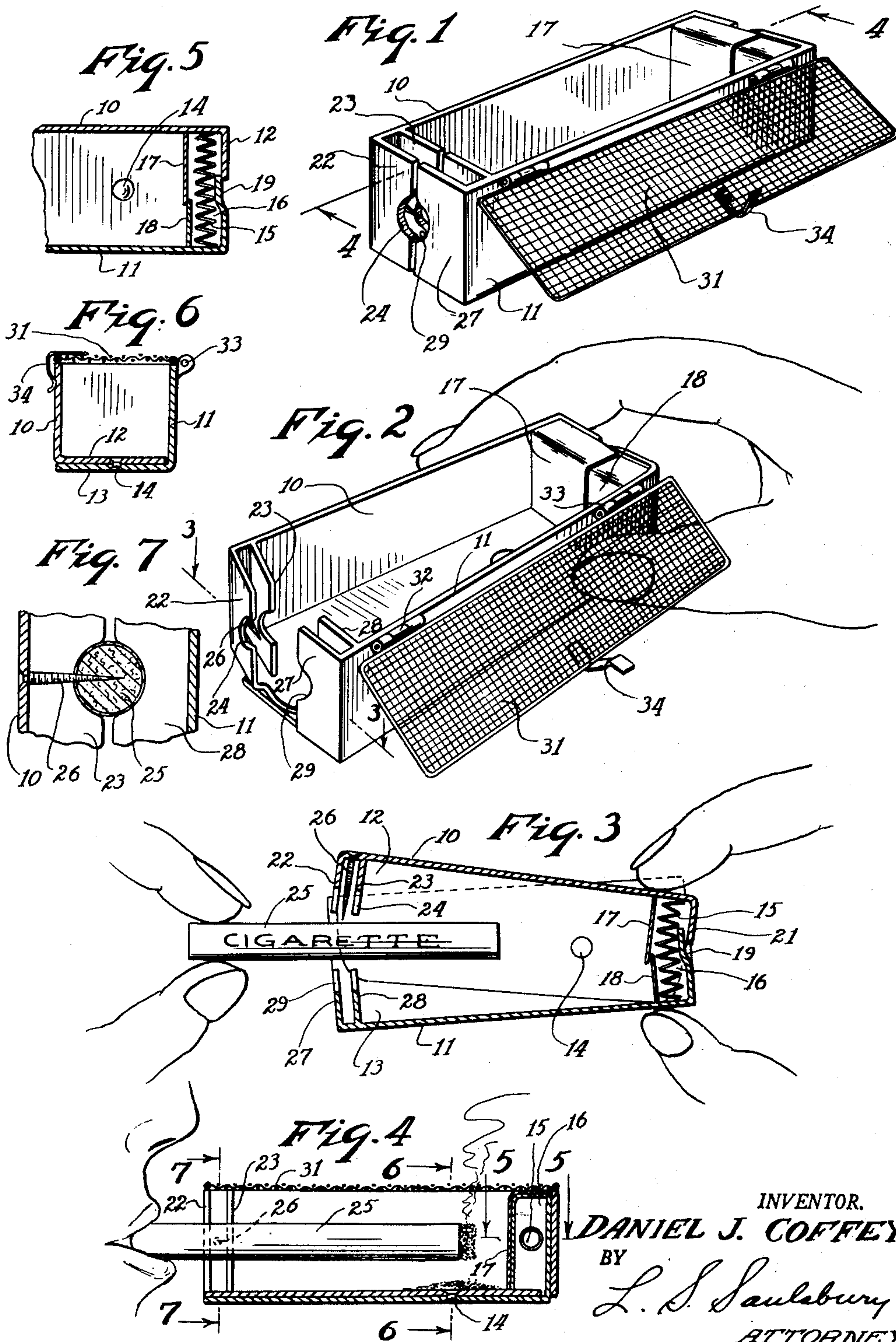
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COMBINED CIGARETTE TRAP, ASH TRAY, AND HOLDER

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COMBINED CIGARETTE TRAP, ASHTRAY,
AND HOLDER

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This invention relates to a combined cigarette trap, ash tray and holder.

It is an object of the present invention to provide a cigarette trap, ash tray and holder wherein separable parts of the tray can be moved away from one another to receive a cigarette and which upon being released automatically grips the cigarette to prevent its removal from the tray and the ashes produced by the burning cigarette will be collected therein and wherein the cigarette will be trapped and held in a manner within the tray so that even though the tray may become upset, there is little chance for a fire to be started from the burning cigarette.

It is another object of the invention to provide a cigarette trap, ash tray and holder which, upon being inverted, may readily be emptied without disturbing a lighted cigarette held therein.

It is another object of the present invention to provide a combined cigarette ash tray and holder wherein there is provided extinguishing means for the cigarette when it has burned up to the holding portions of the tray and wherein the mouth or non-burning end of the cigarette will be retained in the end of the tray and not allowed to be burned sufficiently to be dropped from the tray and wherein there is double extinguishing means to insure the complete extinguishment of the cigarette.

Other objects of the present invention are to provide a combined cigarette tray and holder having extinguishing means which is of simple construction, light in weight, portable, inexpensive to manufacture, has a minimum number of parts, is easy to operate and to hold, compact, of pleasing appearance, is adapted to cap the lighted portion of a cigarette, durable 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 perspective view of the combined ash tray and holder with the parts closed upon one another and the cover screen lifted.

Fig. 2 is a perspective view of the combined ash tray and holder with the side parts separated to permit the insertion of a cigarette and with the cover screen lifted.

Fig. 3 is a longitudinal sectional view of the parts of the tray in the open position and illustrating the manner in which the cigarette is inserted therein, the view being taken generally on line 3-3 of Fig. 2.

Fig. 4 is a vertical sectional view of the com-

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bined tray and holder taken generally on line 4-4 of Fig. 1 and with the cigarette in place therewithin.

Fig. 5 is a transverse sectional view taken generally on line 5-5 of Fig. 4.

Fig. 6 is a vertical sectional view taken on line 6-6 of Fig. 4.

Fig. 7 is an enlarged sectional view taken on line 7-7 of Fig. 4 and showing the retaining pin projected into the body of the cigarette.

Referring now to the figures, 10 and 11 represent respectively separable bodies forming the sides, ends and bottom of the device. The part 10 has a bottom section 12 and the part 11 has a bottom section 13. These bottom sections slide over one another to provide the bottom of the device. These bottom sections are pivotally connected together by a pin 14 located near the rear end of the device so that the separation of the parts at the opposite end can be effected by merely pressing together the parts at the rear end of the device. The ends of the parts are normally held in parallel relation to one another by a compression spring 15 in the rear end of the device. This spring is confined within a compartment 16 formed by partitions 17 and 18 of the respective parts 10 and 11. The end portion of the part 11 is pressed forwardly, as indicated at 19, to receive the end portion 21 of the part 10 and to allow the parts to be opened.

The cigarette retaining forward end of the part 10 has double wall portions 22 and 23 having respectively notches 24. These notches are adapted to receive the side of a cigarette 25. These portions are spaced from one another and extending therebetween is a retaining prong 26 that is preferably threaded, for the purpose of holding the cigarette upon the one part of the device should the parts be opened and to prevent axial displacement of the cigarette butt.

The part 11 has on its forward end the double wall cigarette holding portions 27 and 28 having respectively notches 29 for receiving the opposite side of the cigarette. As the parts are released, the cigarette 25 is received in the notches of the opposite double wall portions and the retaining pin 26 pierces the one side of the cigarette. In this manner, the cigarette is rigidly held within the device.

A screen cover 31 is hinged at 32 and 33 to the upper edge of the side portion of the part 11. This cover can be pivoted over the top of the parts by a spring latch 34 and held in its closed position thereover. This cover will help to keep the ashes within the parts and will also lock the

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parts against separation. Any burning portions of the cigarette which may fall upon the screen will be immediately extinguished by virtue of the heat being immediately absorbed by the screen material.

With the cigarette disposed within the device, the ashes will be confined therewithin and collected automatically as they drop from the cigarette. As the burning portion approaches the extinguishing portions 23 and 28, the heat therefrom is removed and if the cigarette is not drawn upon it will be automatically extinguished. To insure this action, a similar result would be effected upon reaching the portions 22 and 27. The pin 26 will hold the cigarette butt firmly and prevent the same from easily dropping from the device. By having spaced cigarette holding portions, the cigarette is held properly aligned with the bottom of the device and in a straight manner.

The device is formed preferably of light weight material, such as aluminum, which will not ignite. A fireproof plastic may also be used. It will be seen that the device is easily portable and serves not only as a holder but as an extinguishing means for the cigarette. The cigarette is trapped in the device and the ashes will be collected in the bottom of the device. The cigarette butt can be released by first opening the cover and compressing the rear end so that the forward end portions are pivoted outwardly about the pivot pin 14. The ashes can be removed by simply inverting the device with the cover in its open position.

The pin 26 keeps the cigarette fixed on the part 10 should the parts 10 and 11 become accidentally separated while the cigarette is being used and thereby prevents its easy accidental displacement therefrom without impairing the drawing action of the cigarette. The pin 26 obstructs the cigarette cross-section slightly and will not materially interfere with the draw or smoking of the cigarette, and so tends to retard the wasteful burning of the cigarette when not in the mouth of the smoker thereby getting more smoking value from the cigarette.

Since the cigarette is housed as shown in Fig. 4, air movement at the burning end is reduced and the life of the cigarette is thereby increased because the burning is slowed when the device is laid down temporarily. Greater use of the cigarette accordingly may be had.

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 claims.

What is claimed is:

1. A combined cigarette ash tray and holder device comprising separable parts having side portions, a top portion and overlapping bottom portions, the bottom portions being pivoted together adjacent one end, spring means normally biasing said bottom portions at said end so that

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upon pressing said separable parts together at said end of the device the parts at the other end will be separated from one another, the respective parts at the said other end of the device terminating in cigarette gripping portions for encompassing a cigarette and for retaining the same, said gripping portions comprising longitudinally spaced opposed parallel walls on each of the side portions with aligned arcuate notches in the parallel walls midway of the ends thereof for receiving a cigarette and pin means extending diametrically of the notches from one of the side walls and between the spaced adjacent walls of the gripping portions on such part to pierce the cigarette when the gripping portions are closed to retain the cigarette, said top portion being foraminous and hinged at one side to one of said portions, and a latch engageable with the other of said side portions to secure said gripping portions against disengagement.

2. A combined cigarette ash tray and holder device comprising separable parts respectively having side and end portions and bottom portions overlapping each other, the bottom portions being pivoted together adjacent one end of the device, spring means normally biasing said parts at said end of the device so that upon pressing said separable parts together at said end of the device the parts at the other end will be separated from one another, said parts at the other end of the device terminating in cigarette-gripping portions for encompassing a cigarette and for retaining the same, said gripping portions having respectively opposed arcuate notches for receiving a cigarette and pin means extending diametrically of the notches from one of said gripping portions to pierce the cigarette when the gripping portions are closed and to retain the cigarette therebetween against longitudinal and rotational displacement with respect thereto, and a foraminous top hinged at one side to a side portion of one of the parts and having a latch engageable with the side portion of the other part whereby to secure said gripping portions and the parts against disengagement when the cigarette is disposed therebetween.

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