July 3, 1951 I. LUNDSTROM 2,559,254

CIGARETTE ASH AND STUB COMPACT

Filed Feb. 3, 1949 2 Sheets-Sheet 1

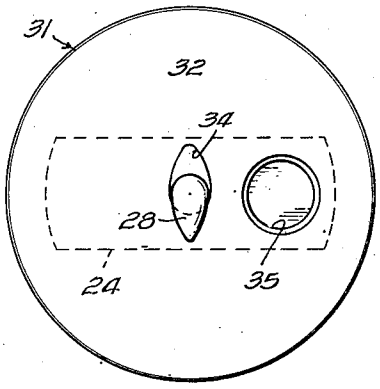


Fig. 1.

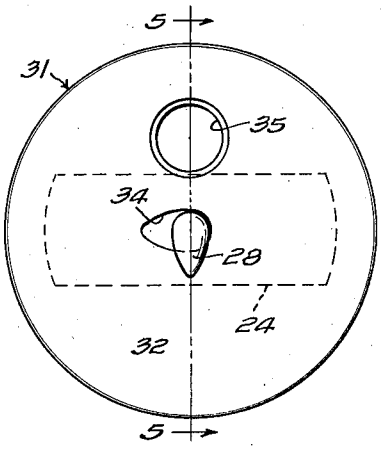


Fig. 2.

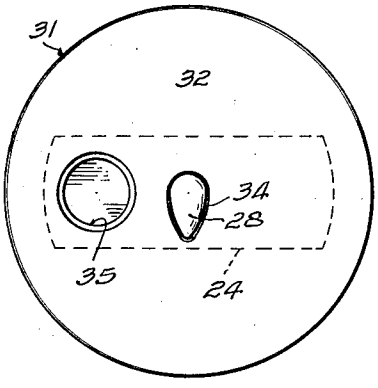


Fig. 3.

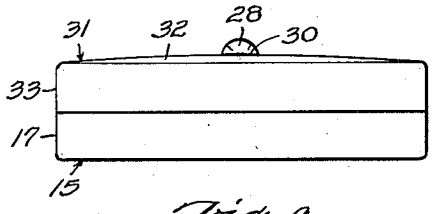


Fig. 4.

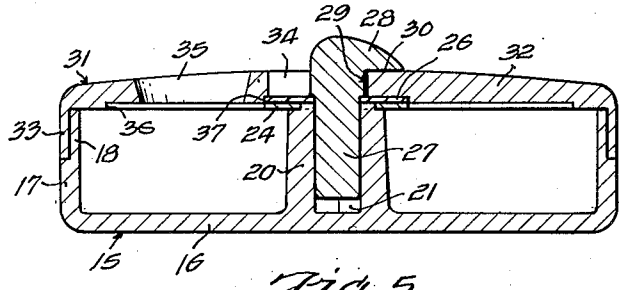


Fig. 5.

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CIGARETTE ASH AND STUB COMPACT

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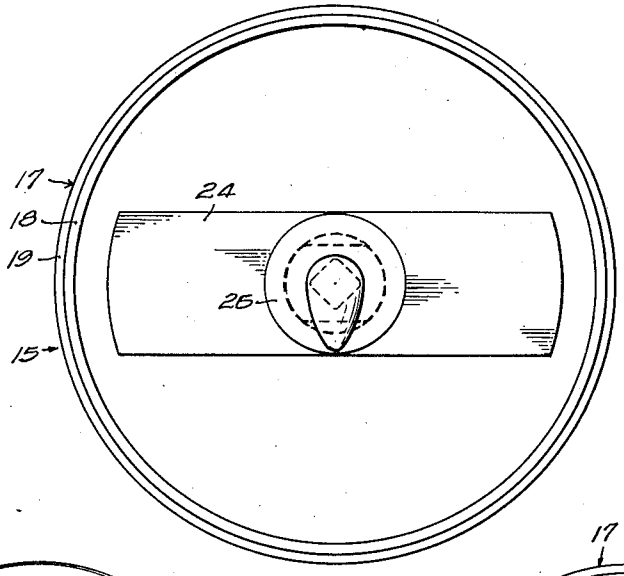


Fig. 6.

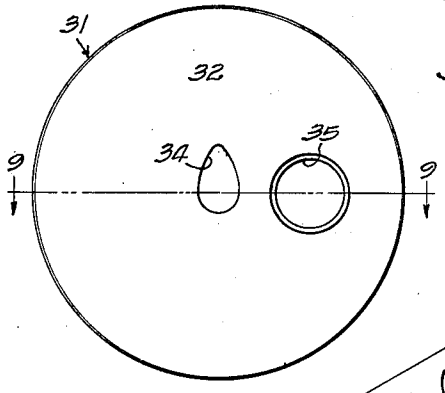


Fig. 7.

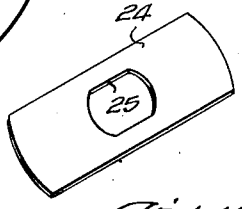


Fig. 11.

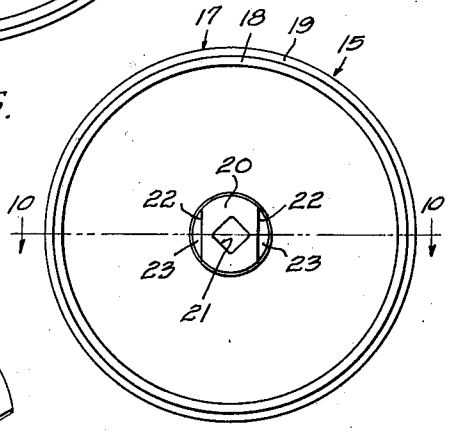


Fig. 9.

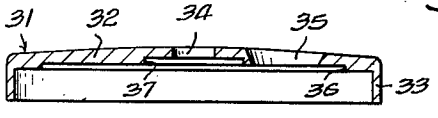


Fig. 8.

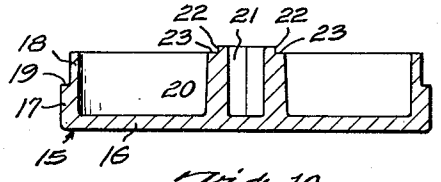


Fig. 10.

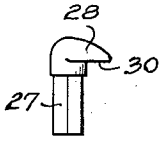


Fig. 12.

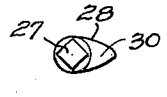


Fig. 13.

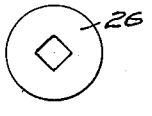


Fig. 14.

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2,559,254

CIGARETTE ASH AND STUB COMPACT

Ida Lundstrom, St. Louis, Mo.

Application February 3, 1949, Serial No. 74,441

3 Claims. (Cl. 220—33)

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My invention relates to a compact for receiving cigarette ashes and stubs.

An important object of the invention is to provide a cigarette ash and stub compact that may be safely and conveniently carried in a lady's handbag, or in a lady's or man's garment pocket when not in use, and ready for instant use, anywhere, to deposit cigarette ashes and stubs therein after a partial rotation of one of the compact body members.

A further object of the invention is to provide a compact of the character having a single opening in the top thereof for the passage of cigarette ashes and stubs to be deposited within the compact when the opening is out of register with an underlying stationary plate, which plate otherwise closes the opening so that the compact can be carried in a lady's handbag, or in a garment pocket to prevent leakage of the deposited contents through the opening.

A further object of the invention resides in a cigarette ash and stub compact that can be held for use by one hand of a smoker, placed on one's lap, or placed upon a table, or other support.

A further object of the invention resides in a compact for cigarette ashes and stubs wherein two compact body parts may be quickly and conveniently separated for discharging contents thereof for cleaning purposes, and so that one part thereof may be used as an ordinary open top ash tray.

A further object of the invention is to provide a compact of the character to be used as a cigarette ash and stub receptacle that is simple in construction, that may be made from plastic, or metal material, light in weight, neat and attractive in appearance, consisting of a minimum number of parts, and highly efficient and practical for the purposes intended.

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

In the accompanying drawings, forming a part of this application, and in which like numerals are employed to designate like parts throughout the specification,

Fig. 1 is a top plan view of a cigarette ash and stub compact embodying the features of the invention.

Fig. 2 is a top plan view of the compact showing the cap section thereof rotated anti-clockwise ninety degrees from the position shown in Fig. 1.

Fig. 3 is a top plan view of the compact, showing the cap section thereof rotated anti-clockwise one hundred and eighty degrees from the position shown in Fig. 1.

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Fig. 4 is a side elevation of the compact.

Fig. 5 is an enlarged vertical sectional elevation of the compact taken on line 5—5 of Fig. 2.

Fig. 6 is an enlarged top plan view of the compact with the cap section removed.

Fig. 7 is a top plan view of the cap section of the compact.

Fig. 8 is a vertical sectional elevation of the cap, or cover section of the compact.

Fig. 9 is a top plan view of the cigarette ash and stub receiving section of the compact, the plate for closing the ash and stub receiving opening in the cap section being removed.

Fig. 10 is a vertical sectional elevation of the cigarette ash and stub receiving section of the compact taken on line 10—10 of Fig. 9.

Fig. 11 is a perspective view of the stationary plate supported within the compact.

Fig. 12 is a side elevation of a member carried by the ash and stub receiving section of the compact for holding the cap section in rotatable telescopic position on the cigarette ash and stub receiving section of the compact.

Fig. 13 is a bottom plan view of the member shown in Fig. 12.

Fig. 14 is a plan view of a washer carried by the stem of the member shown in Fig. 12.

In the drawings, wherein for the purpose of illustration, is shown a preferred embodiment of my invention, the numeral 15 designates, generally, a cup-shaped receptacle which is preferably circular, in plan view, and consists of a lower head 16 and an upstanding side wall designated, generally as 17, as shown in Figs. 9 and 10.

A predetermined portion of the upper end portion of the side wall 17 is of less wall thickness than the lower portion thereof and is designated 18 and provides thereby a circumferential shoulder 19.

The head 16 of the cup-shaped receptacle 15 is provided centrally thereof with an interior upstanding post, or support 20 which is provided with a suitably shaped cavity, or hole 21 open to the upper end face of the post, thus providing an annular ash and cigarette stub receiving cavity within the side wall of the receptacle 15. The upper face of the post 20 has opposite side portions thereof cutaway to provide vertically spaced parallel arranged side faces 22 and adjacent shoulders 23, which shoulders are in a plane with the upper face of the side wall of the receptacle 15, as shown in Fig. 10.

The reference numeral 24 designates a suitably shaped metal plate having a central opening 25 fashioned to fit the upper cutaway end of the post 20 and rests on the shoulders 23 of the post 20. This arrangement prevents rotation of the plate 24 relative to the post 20. The plate 24 is of a length falling short of engaging the inner face of the side wall of the receptacle 15, as shown in Fig. 6. The lower face of the plate 24 lies flush with the upper face of the side wall of the receptacle 15 and the upper face of the plate 24 is adapted to lie flush with the upper face of the post 20.

The plate 24 is held from upward displacement relative to the post 20 upon which it is seated by means of a suitable washer 26 positioned on a stem, or plug 27 depending from a suitable head member 28, as shown in Figs. 5 and 12. The stem 27 may be square in cross-section and pressed into the cavity 21 in the post 20 and the stem may be cemented in place to prevent accidental upward displacement thereof in the cavity 21.

While the stem 27 has been shown as square in cross-section, it may be of any other desired shape, and the cavity 21 in the post 20 shall correspond to the shape of the stem 27, as is manifest.

The head 28 at the upper end, or neck of the stem 27 preferably projects from one side only of the stem 27 and may be of any desired shape. There is a neck gap, or space 29 provided between the lower face 30 of the head 28 and the upper face of the washer 26 to accommodate the thickness of the head of a cap for the receptacle 15, as shown in Fig. 5, which cap will now be described.

The cap for the compact is designated, generally, as 31, and has a head 32 and a side wall, or skirt 33. The skirt 33 is of uniform thickness and has a depth to correspond to the distance from the top face of the wall portion 18 of the side wall 17 of the cap shaped receptacle 15 to the circumferential shoulder 19, upon which shoulder the lower face of the skirt 33 is adapted to rest, as shown in Fig. 5, when the cap 30 is in telescopic position with the wall portion 18 of the side wall 17 of the receptacle 15. This arrangement provides a leakproof joint between the side wall of the receptacle 15 and the skirt 33 of the cap 31, as shown in Fig. 5.

When the cap 31 has been assembled with the cup-shaped receptacle 15, as shown in Fig. 5, the bottom face 30 of the head 28 on the stem 27 engages the upper face of the head portion 32 of the cap 31 after the head is passed upwardly through a central non-circular opening 34 in the head portion of the cap 31 to prevent the cap from upward displacement with relation to the receptacle 15 during rotation of the cap 31 relative to the receptacle 15. When the central cap opening 34 and the head 28 are in perfect register, as shown in Fig. 3, the cap 31 may be removed from the receptacle 15 for discharging ashes and cigarette stubs from the receptacle, for cleaning the interior of the receptacle 15 and the cap 31. When the cap 31 has been removed from the receptacle 15, as shown in Fig. 6, the receptacle may be used as an ordinary open top ash tray, if so desired.

The metal plate 24 serves as a closure for the underside of a suitable opening 35 in the head 32 of the cap 31. The opening 35 must be smaller in diameter than the width of the metal plate 24 and it is located in the cap head 32 between the central cap head opening 34 and the edge of the

cap, as shown in Fig. 7. The opening 35 is used for the purpose of allowing cigarette ashes and stubs to be passed therethrough for deposit in the receptacle 15 when the cap 31 has been rotated to a position past the side edges of the plate 24. One of such positions is clearly shown in Fig. 2. When the cap opening 35 is closed by lying over the plate 24, as shown in Fig. 1, the plate 24 serves to provide a leak-proof joint between the edge portion of cap opening 35 and the plate to prevent the escape of cigarette ashes through the cap opening 35.

As clearly shown in Figs. 5 and 9, the inner face of the cap head 32 is provided with a shallow counterbore 36 to provide a seat for the upper face of the plate 24 to contact. The inner face of the head 32 is further provided with a second counterbore 37 to provide a seat for the washer 26.

When the compact is to be carried in a lady's handbag or in a garment pocket, the cap 31 is rotated to a position, as shown in Fig. 1, so as to cause the plate 24 to close the cap opening 35.

When it is desired to use the compact as a cigarette ash and stub receptacle, the cap 31 is rotated anti-clockwise from the position shown in Fig. 1 to the position such for instance as shown in Fig. 2, which will move the cap opening 35 from above the plate 24 so that cigarette ashes and stubs may be passed through the opening 35 for deposit in the cavity 21 of the receptacle 15.

When it is desired to remove the cap 31 from the cup shaped receptacle 15, the cap 31 is rotated with relation to the receptacle 15 until the head 28 registers with the central cap opening 34 when then the cap 31 may be quickly and conveniently removed from the receptacle 15 for the purpose of discharging cigarette ashes and stubs from the receptacle 15 for cleaning the interior of the receptacle 15 and the cap 31, or for allowing the receptacle 15 to be used as an ordinary open top ash tray. When the receptacle 15 is used as an open top ash tray, it will be apparent that the plate 24 and the upper face of the side wall of the receptacle 15 may serve as a cigarette rest, if so desired.

From the foregoing description, it is apparent that I provide a compact for the deposit of cigarette ashes and stubs that may be safely and conveniently carried in a lady's handbag, or a garment pocket, and can be quickly and conveniently operated to close and open the cap opening through which cigarette ashes and stubs may be deposited within the compact, and to separate the compact body parts to discharge the contents thereof, for cleaning the interior of the compact, and for using the receptacle 15 as an ordinary open top ash tray.

It is to be understood that the form of invention herein shown and described, is to be taken as a preferred example of the same, and that various changes in shape, size and arrangement of the parts may be resorted to without departing from the spirit of my invention, or the scope of the appended claims.

What I claim is:

1. In a cigarette ash receptacle capable of being carried in a lady's purse or in a garment pocket, a separable hollow body comprising a bottom member and a top member, the bottom member consisting of a circular head, an upturned wall at the edge of the head, a circumferential shoulder on the wall, a centrally located upstanding hollow post, circular in cross-section, projecting beyond the upper edge of the wall, the upper end of the hollow post having opposite

sides thereof cut away to provide spaced seats in a plane with the upper edge of the wall and spaced parallel arranged side walls projecting upwardly from the inner edges of the seats terminating with the top face of the post, a rectangular plate having a central opening corresponding in shape to that of the upper end of the post to receive the upper end of the post to prevent rotation of the plate, the lower face of the plate arranged to lie in a plane with the upper edge of the wall with the end portions of the plate falling short of contact with the wall, a washer having a non-circular central opening seated upon the upper face of the post and the plate surrounding the opening therein, an elongated plug square in cross section non-removably received within the hollow post and the washer opening, a neck circular in cross-section integral with and extending upwardly from the plug to provide a lower neck shoulder to rest upon the washer surrounding the opening therein to hold the washer in tight contact with the plate and the central portion of the plate in tight contact with the seats on the hollow post, a head integral with the neck, and said head including a laterally projecting lip, the top member including a circular head, a skirt projecting from the edge of the head for telescopic and rotatable connection with the upper end portion of the wall of the bottom member, said top member head having a central opening corresponding in shape to the plug head and lip thereof to allow passage of the head and lip therethrough and receive the neck portion of the plug, the lower face of the head of the top member having a recess to receive the washer and a concentric recess to receive the rectangular plate, and said head having an opening arranged with relation to the central opening therein to be closed by the end portions of the plate in two positions of the top member in assembled relation with the bottom member.

2. In a cigarette ash receptacle, a bottom member consisting of a circular head, an upturned wall at the edge of the head, a circumferential shoulder on the wall, a centrally located upstanding hollow post, circular in cross-section, projecting beyond the upper edge of the wall, the upper end of the hollow post having opposite sides thereof cut away to provide spaced seats in a plane with the upper edge of the wall and spaced parallel arranged side walls projecting upwardly from the inner edges of the seats terminating with the top face of the post, a rectangular plate having a central opening corresponding in shape to that of the upper end of the post to receive the upper end of the post to prevent rotation of the plate, the lower face of the plate arranged to lie in a plane with the upper edge of the wall with the end portions of the plate falling short of contact with the wall, a washer having a non-circular central opening seated upon the upper face of the post and the plate surrounding the opening therein, an elongated plug square in cross-section non-removably received within the hollow post and the washer opening, a neck circular in cross-section integral with and extending upwardly from the plug to provide a lower neck shoulder to rest upon the washer surrounding the opening therein to hold the washer in tight contact with the plate and the central portion of the plate in tight contact with the seats on the hollow post, a head integral with the neck, and said head including a laterally projecting lip.

3. In a cigarette ash compact, in combination, a base receptacle having a bottom head and upstanding wall having a circumferential shoulder, a central post having a central recess projecting upwardly centrally of the wall, opposed spaced shoulders on the upper end of the post, a rectangular plate having a central opening seated on the post shoulder and partially spanning the interior diameter of the receptacle with the lower face of the plate in a plane with the upper edge of the wall, a washer having an opening seated centrally on the plate, a plug tightly fitted against displacement in the post recess, a neck, a head and a lip carried integrally by the upper end of the plug, a removable cover mounted for rotation on the base receptacle, said cover having a central opening for the passage of the head and lip and to receive the neck, the inner face of the cover having a central circular recess to receive the washer, a concentric recess to receive the plate, the cover having an opening arranged to be closed by the end portions of the plate in two positions of the cover on the base receptacle, and said lip arranged to clamp the cover to the base receptacle in all but one position of the cover on the base receptacle.

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The following references are of record in the file of this patent:

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