Nov. 1, 1960 A. B. ADAMS 2,958,417

COMBINED CIGARETTE PACKAGE AND ASH TRAY

Filed Feb. 12, 1958 4 Sheets-Sheet 1

Fig. 1.

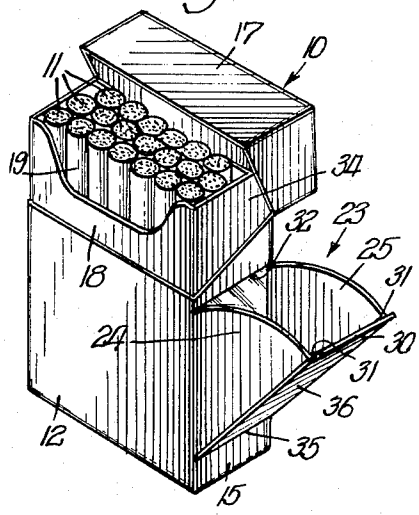


Fig. 2.

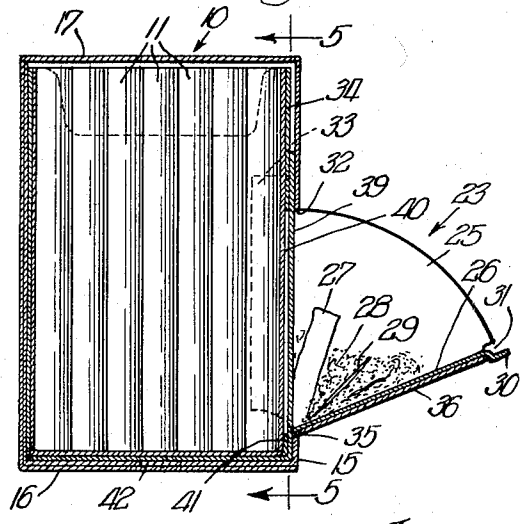


Fig. 3.

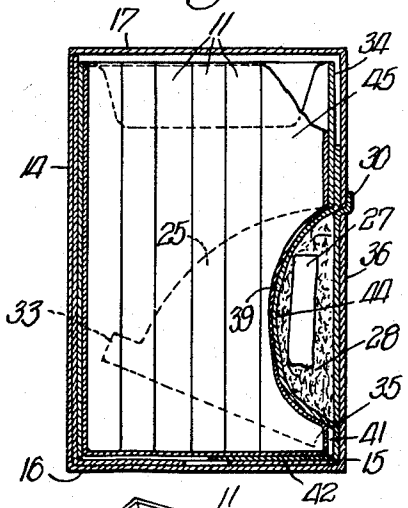


Fig. 4.

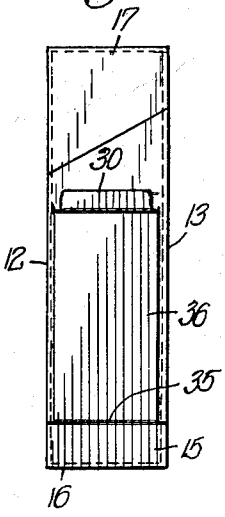


Fig. 5.

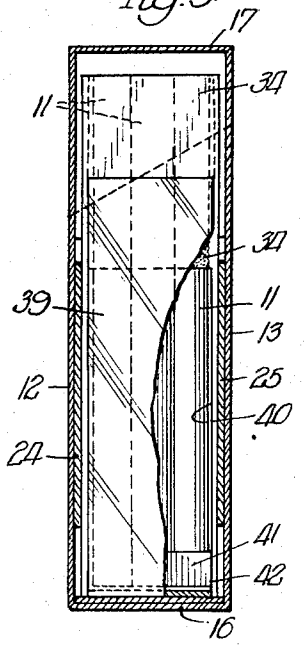
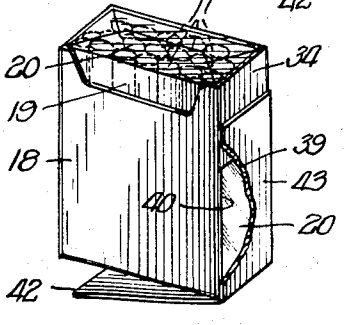


Fig. 6.



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Fig. 7

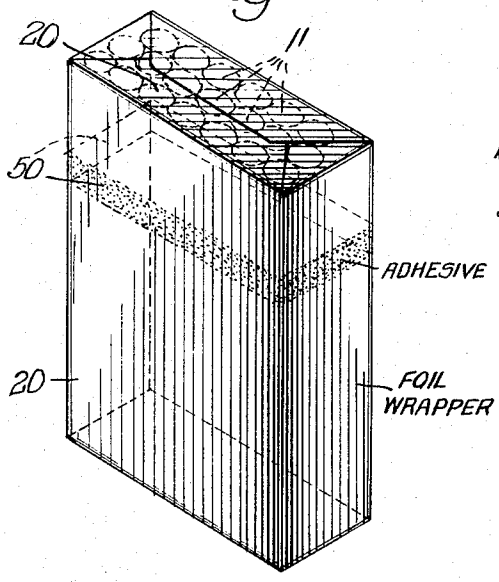


Fig. 8.

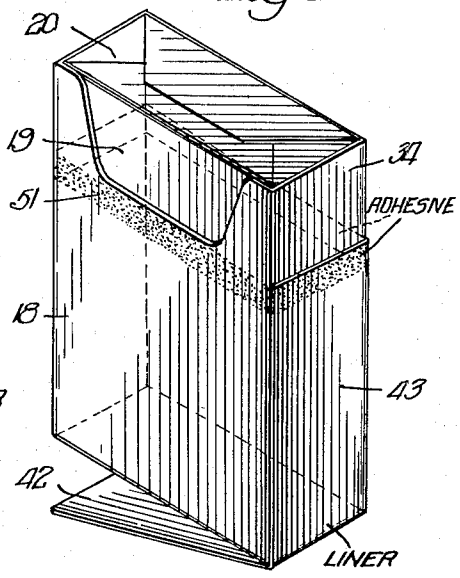


Fig. 10.

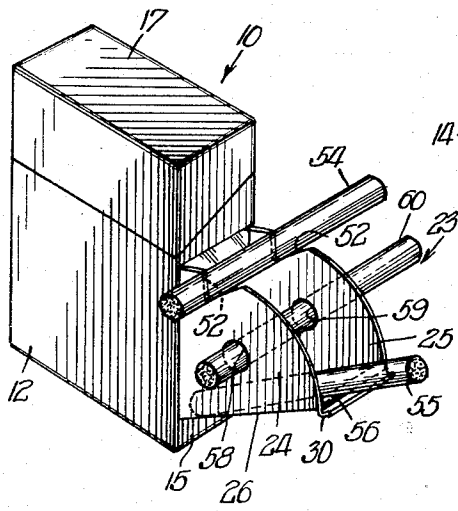
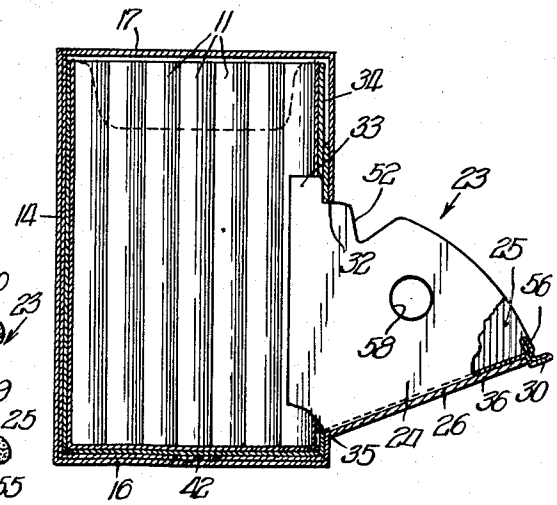


Fig. 9.



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Fig. 11.

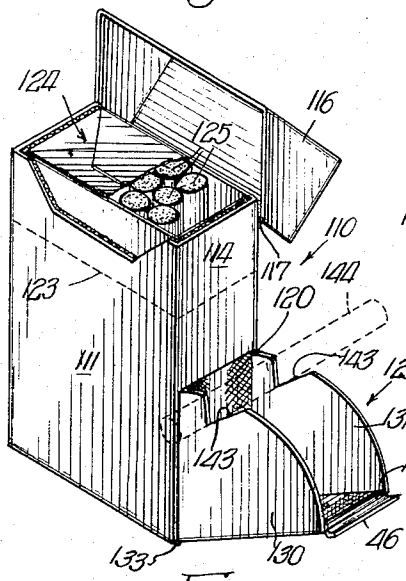


Fig. 12.

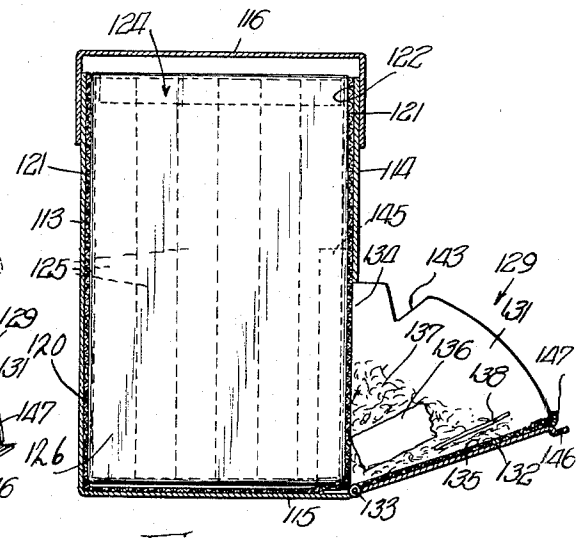


Fig. 13.

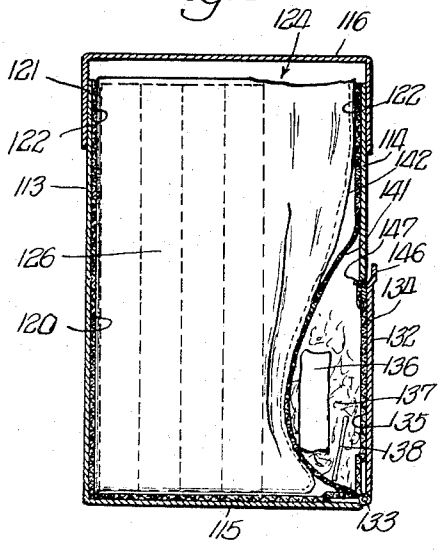


Fig. 14.

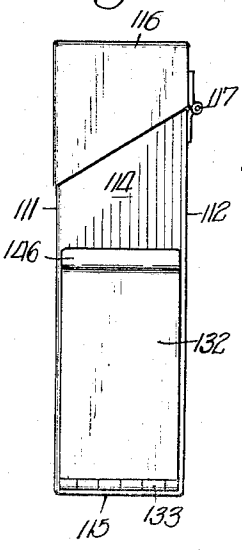
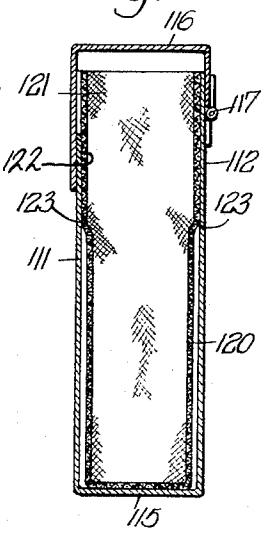


Fig. 15.



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Fig. 16

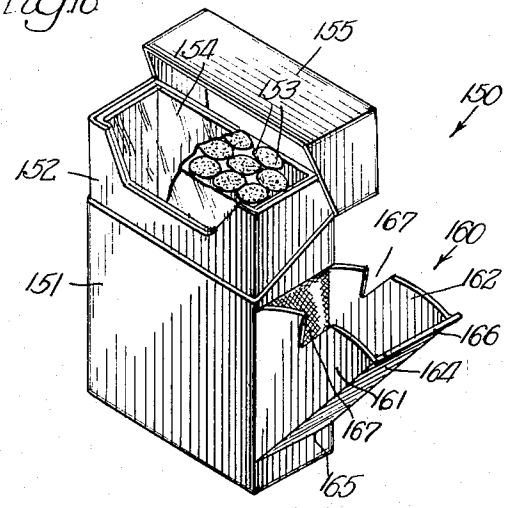


Fig. 17

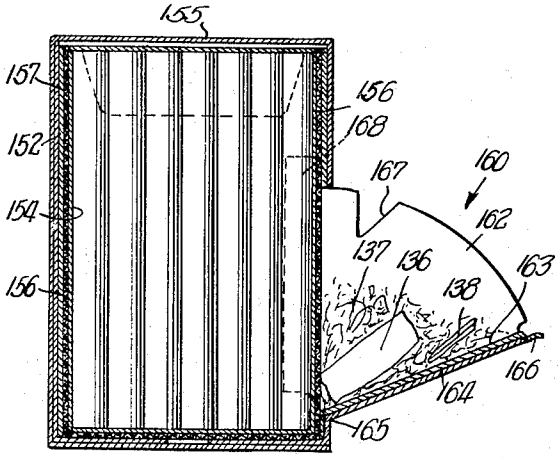
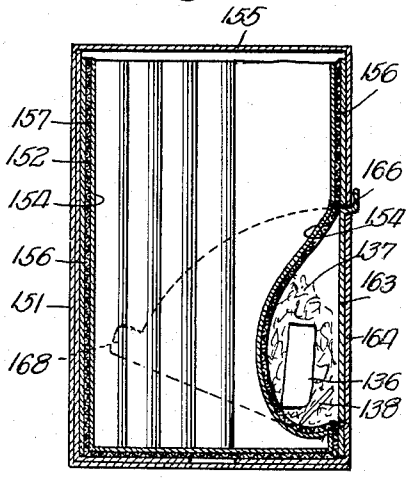


Fig. 18



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United States Patent Office

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COMBINED CIGARETTE PACKAGE AND ASH TRAY

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Filed Feb. 12, 1958, Ser. No. 714,833

23 Claims. (Cl. 206—41)

This invention relates, generally, to the packaging of cigarettes and it has particular relation to means for receiving cigarette butts and ashes, dead matches, etc., in connection therewith. This application is a continuation-in-part of application Serial No. 603,901, filed August 16, 1956, now abandoned, which is a continuation-in-part of application Serial No. 591,571, filed June 15, 1956, now abandoned, and of application Serial No. 616,030, filed October 15, 1956, now abandoned.

While provision is generally made in homes, offices, public places and the like to accommodate cigarette smokers in the disposal of cigarette butts and ashes, dead matches and the like, it is often the case that an ash tray is not available or readily found. Quite often a smoker removes a cigarette from a package and begins smoking it without giving any thought as to how to dispose of the ashes and the butt. When an effort subsequently is made to find a suitable receptacle, it is usually too late and the ashes may fall to the floor, thus causing considerable embarrassment.

Accordingly, among the objects of this invention are: To combine with a conventional cigarette package or container an ash tray which, in closed position, requires no greater space than is occupied by the package itself and which can be opened to receive smoking debris; to provide for closing the ash tray and moving the debris therein into the space in the package or container available as a result of the removal of cigarettes therefrom; to lock the ash tray in the closed position and to limit its opening movement; to provide a movable wall or tongue for cooperating with the ash tray and arrange for it to expand into the space previously occupied by cigarettes; to form a surface of the wall or tongue and the surface of the ash tray, that is contacted by ignited or hot debris, of relatively non-combustible material, such as aluminum; to place the ash tray in an end wall of the package or container such that, when the former is open and the latter is in the upright position, the debris cannot fall out of the ash tray; to seal the space containing the cigarettes from the space occupied by the debris in the ash tray; to hold a cigarette transversely of the ash tray; and to limit the flow of the debris from the ash tray should it approach an inverted position when open.

Additional objects of this invention are: to provide a combination cigarette package and ash tray with improved means for separating the space occupied by the debris, such as butts and ashes, dead matches, etc., from the space occupied by the remaining cigarettes; to employ a flexible flame resistant bag for this purpose; to secure the upper end of the bag to the upper end of the cigarette container while the lower principal portion of the bag is unattached; to provide a reusable container and bag with built in ash tray for receiving a conventional pack of cigarettes in an envelope having relatively flexible walls; and to incorporate the bag in a disposable paperboard container for cigarettes.

Other objects of this invention will, in part, be obvious and in part appear hereinafter.

This invention is disclosed in the embodiments thereof shown in the accompanying drawings and it comprises the features of construction, combination of elements and arrangement of parts that will be exemplified in the construction hereinafter set forth and the scope of the application of which will be indicated in the appended claims.

For a more complete understanding of the nature and scope of this invention, reference can be had to the following detailed description, taken together with the accompanying drawings, in which:

Figure 1 is a perspective view of a package of cigarettes in which the present invention is embodied;

Figure 2 is a vertical sectional view through the package of cigarettes shown in Figure 1 with the ash tray being illustrated in the fully open position;

Figure 3 is a view, similar to Figure 2, but showing the ashtray in the closed position with debris therein occupying a portion of the space previously occupied by cigarettes that have been removed from the package;

Figure 4 is a view, in end elevation, of the package of cigarettes shown in Figure 1, the ash tray being shown in the fully closed position;

Figure 5 is a vertical sectional view, at an enlarged scale, taken generally along the line 5—5 of Figure 2;

Figure 6 is a perspective view of the cigarettes surrounded by a foil wrapper and the liner of the package or container shown in Figure 1 and showing how the wall or tongue extends from one side of the liner underneath the cigarettes;

Figure 7 is a perspective view of the cigarettes enclosed only in the foil wrapper and showing the application of a layer of adhesive to the outer surface and providing an improvement over the construction shown in Figure 1;

Figure 8 is a view similar to Figure 6, showing the application of a layer of adhesive to the outer surface of the liner and providing a further improvement over the construction shown in Figure 1;

Figure 9 is a view, similar to Figure 2, showing additional features in the construction of the ash tray;

Figure 10 is a view, similar to Figure 1, showing how two cigarettes can be supported by the ash tray;

Figure 11 is a perspective view of a combination reusable container for a pack of cigarettes having a built in ash tray;

Figure 12 is a vertical sectional view taken through the construction illustrated in Figure 11;

Figure 13 shows the construction of Figures 11 and 12 with the ash tray closed and containing debris which occupies space previously occupied by cigarettes in the removable pack;

Figure 14 is a view, in end elevation, of the combination container and ash tray of Figures 11, 12 and 13;

Figure 15 is a vertical sectional view of Figure 11, absent the pack of cigarettes, and showing how the flexible bag serves as a lining and is secured around the outer surface at its upper end to the overlying inner surface of the container at its upper end;

Figure 16 is a perspective view of a package of cigarettes formed of paperboard and arranged to be disposed of when the cigarettes are used and provided with a built in ash tray;

Figure 17 is a vertical sectional view of the construction shown in Figure 16, the ash tray being shown in the open position; and

Figure 18 is a view, similar to Figure 17, showing the ash tray in the closed position with debris occupying space previously occupied by cigarettes in the pack with the space in which the debris is located being separated by the flexible bag from the space containing the remaining cigarettes.

Referring now particularly to the drawings, it will

be observed that the reference character 10 designates, generally, a package or container in the form of an elongated parallelepiped that is made of paperboard preferably although lighter weight material can be employed, if desired. The package or container 10, as shown, is arranged to contain twenty cigarettes 11 when completely filled. Obviously other numbers can be packaged. The package or container 10 has relatively wide front and rear sides 12 and 13 and relatively narrower ends 14 and 15. There is a bottom 16 and a hinged top 17. Within the package or container 10 is a four sided liner 18, preferably formed of paperboard, which fits within the sides and ends as illustrated. The front side of the liner 18 has a cut away section 19 to facilitate removal of the cigarettes 11. A foil wrapper 20, Figure 6, surrounds the cigarettes as a further protection and to assist in maintaining their freshness.

The construction thus far described is conventional and is employed in the packaging of a well known brand of cigarettes. The present invention is illustrated as being applied to the particular package just described. However, it will be understood that the present invention can be employed with other similar types of packages or containers without departing from the spirit and scope of this invention.

As indicated above, a smoker often is embarrassed by the lack of an ash tray. However, the smoker ordinarily has a package of cigarettes in his pocket or in her purse as the case may be. In accordance with this invention an ash tray, shown generally at 23, is incorporated in the package or container 10 as a self contained part thereof and yet it is arranged in such manner that, when closed, it requires no additional space over that required for the package or container 10 itself. When the ash tray 23 is swung to the open position, as shown in Figures 1 and 2, debris can be placed therein. Since the placing of such debris therein is preceded by the removal of one or more cigarettes from the package or container 10, there is a space therein which is available for receiving the debris when the ash tray 23 is moved to the closed position as will be apparent from the description that follows.

Preferably the ash tray 23 is of generally U-shape and includes arms 24 and 25 that are sector shaped. A bottom or wall 26 joins the arms 24 and 25 and forms the bottom of the U-shape. It is desirable to form the surface of the ash tray 23 that is likely to be engaged by ignited or hot debris of a relatively non-combustible material. Accordingly, the arms 24 and 25 and the bottom 26 of the U-shape may be formed of sheet aluminum or other similar like material which will not be ignited even though a lighted butt is placed in the ash tray 23. Even if the surface of the ash tray 23 is not formed of relatively non-combustible material, when a lighted butt is placed in the ash tray 23 and it is closed, the ignited material promptly is snuffed out because of the lack of air to sustain combustion.

Figure 2 shows how a butt 27, ashes 28 and dead matches 29 can be placed in the ash tray 23 when it is in the open position. A lip 30, formed integrally with the upper end of the bottom 26 of the ash tray 23, overlies a portion of the end 15 and, on insertion of the thumb nail or nail of the forefinger, the ash tray 23 can be withdrawn from the closed position to the open position.

With a view to locking the ash tray 23 in the closed position, notches 31 are provided at the outer ends of the peripheries of the sector shaped arms 24 and 25 and they are arranged to interfit with the lower edge 32 of the upper portion of the wall 15.

In order to hold the ash tray 23 in the open position shown in Figure 2 with the bottom 26 inclined upwardly, ears 33 are formed integrally with the inner ends of the peripheries of the sector shaped arms 24 and 25 and, as shown in Figure 2, these ears 33 are arranged to engage the inner surface of one of the walls 34 of the liner 18. Thus, when the package or container 10 is placed in an upright position, as shown in Figure 2, since it is a rectangular parallelepiped and is relatively stable, particularly when containing several cigarettes, there is little likelihood of the contents of the ash tray falling out unless the entire assembly is knocked over.

It will be observed that the ash tray 23 is hinged at 35 near the bottom 17 and that a portion 36 of the end 15 overlies the bottom 26 and is secured thereto by a suitable adhesive so as to provide the hinge section.

Now it is desirable to provide for receiving the debris within the package or container 10 in the space previously occupied by cigarettes. On the other hand it is highly desirable that the construction be such that the remaining unused cigarettes in the package or container 10 are kept separate from such debris. It is for this purpose that a tongue or wall 39, Figures 2, 3 and 6, is employed and it is secured at its upper end to the outer side of the end wall 34, as shown in Figure 5, of the liner 18. If desired, the tongue or wall 39 can be formed as an integral extension of the liner 18 and particularly of the wall 34. The tongue or wall 39 overlies a generally rectangular opening 40 in the end wall 34 of the liner 18. It will be observed that the tongue or wall 39, not only overlies the opening 40 but that it extends over a connecting portion 41, Figure 5, at the lower end of the wall 34 of the liner 18 to provide a tail portion 42 which extends, Figure 2, entirely underneath the cigarettes 11 and partially under them, Figure 3, after some of the cigarettes 11 have been removed and the ash tray 23 is closed with debris therein. Since the surface of the tongue or wall 39 facing the ash tray 23 also is likely to be engaged by ignited material, a layer 43 of aluminum foil is provided thereover, as illustrated in Figure 6.

When the ash tray 23 is closed with debris therein, as shown in Figure 3, a portion 44 of the tongue or wall 39 expands into a space 45 within the package or container 10 and inside of the liner 18 that previously was occupied by cigarettes. As the portion 44 expands, the tail portion 42 is withdrawn from underneath the lower ends of the cigarettes and thus a barrier is provided between the space occupied by the cigarette debris and the space occupied by the remaining unused cigarettes.

For illustrative purposes it is pointed out that the ash tray 23 comprising the arms 24 and 25 and the connecting portion or bottom 26 are formed of very thin aluminum. A thickness of .007 inch has been found to be satisfactory. The layer 43 of aluminum foil which overlies the tongue or wall 39 can even be thinner and should be such that it and the tongue or wall 39 are fairly flexible so as to facilitate expansion into the space 45.

It will be apparent that the ash tray 23 is self contained and the construction is such that there is no leakage into the space 45 or contact of the debris with the unused cigarettes. Leakage is prevented by the portion 44 of the tongue 29 that expands into the space 45 since, as shown in Figure 6, it extends the full width of the opening 40 in the wall 34 of the liner 18 and also by the foil wrapper 20 which, as pointed out above, completely surrounds the cigarettes and, as shown in Figure 3, overlies the portion 44 of the tongue 39 as it expands into the space 45. Moreover, the contents of the ash tray 23, when closed, cannot spill, regardless of the position of the complete combination. When the ash tray 23 is open, the debris cannot spill out of it as long as the package or container 10 remains in the upright position.

As cigarettes are removed from the package or container 10 the space 45 automatically is provided, as shown in Figure 3, for receiving the cigarette debris. Additional space is provided for butts, ashes, etc., as additional cigarettes are removed so that additional debris can be placed in the ash tray 23 and it can be closed.

It has been found that complete safety is achieved from heat due to the placing of ignited debris in the ash

tray 23 merely by closing it. As soon as this occurs, the fire or live ashes automatically are smothered since the closure of the ash tray 23 shuts off all air and oxygen.

When the package or container 10 is emptied of cigarettes 11 and the ash tray 23 has received a proportionate amount of debris, it will be found that relatively long cigarette butts can be accommodated and relatively long dead matches can be received. Ultimately, after all of the cigarettes have been removed, and all of the debris deposited in the ash tray 23, the closure of the same seals the debris effectively and the package with the debris can be disposed of as a unit.

Referring now particularly to Figures 7, 8, 9 and 10 of the drawings, it will be observed that certain additional features are shown therein. It is desirable to provide a good seal between the space containing the cigarettes 11 and the space occupied by the debris in the ash tray 23'.

For this purpose a layer 50 of suitable adhesive is applied to the foil wrapper 20 as shown in Figure 7. While the layer 50 is shown as being relatively narrow, it can extend up to the top of the foil wrapper, if desired. Also, it can extend downwardly further than shown. The important precaution to observe is that there is a complete seal between the outer surface of the foil wrapper 20 and the inner surface of the liner 18 in which the former is placed as shown in Figure 8.

An additional seal is provided between the outer surface of the liner 18 and the inner surfaces of the sides 12 and 13 and ends 14 and 15 by a layer 51 of adhesive as shown in Figure 8. This layer 51 is provided around the ends and sides of the liner 18, as shown, above the ash tray 23' so that, when the assembly, as shown in Figure 8, is inserted in the container 10 formed by the sides 12 and 13 and ends 14 and 15, there is a complete seal above the arms 24' and 25' of the ash tray 23' and there is no possibility of debris, particularly ashes, leaking into the space occupied by the cigarettes 11.

Instead of employing layers 50 and 51 of adhesive, suitable heat sealing or pressure sensitive plastics can be employed to provide the desired seal between the space occupied by the cigarettes 11 and the space in the ash tray 23'.

When the package 10 is positioned as illustrated in Figure 9 with the ash tray 23' in the open position, it is possible by the provision of notches 52 in the arms 24' and 25' to hold the cigarette 54 therein as illustrated in Figure 10. In addition, a second cigarette 55 can be inserted endwise into the open ash tray 23' as here shown.

With a view to limiting the flow of debris from the ash tray 23' in the open position when it is turned toward the upside down position, a flange 56 is provided at the base of the lip 30. The flange 56 tends to hold the debris in the ash tray 23' when it is turned to such position that it might otherwise fall out.

Additional means, such as apertures 58 and 59 in arms 24' and 25', can be provided for receiving additional lighted cigarettes, such as the cigarette 60. The apertures 58 and 59 may or may not be aligned as desired.

Referring now particularly to Figures 11–15 of the drawings, it will be observed that another embodiment of the invention is there illustrated. The reference character 110 designates, generally, a reusable container which is provided with front and backwalls 111 and 112, side walls 113 and 114, a bottom wall 115 and a cover 116 that is hinged at 117 near the upper end of the back wall 112. The container 110 is preferably formed of metal, such as stainless steel or sheet aluminum. It can be formed of suitable plastic material or leather, as will be understood readily.

Within the container 110 is a flexible bag 120 that is formed preferably of flame resistant material such as glass fiber. Its upper end 121 is adhesively secured around its entire periphery to the inner surface 122 of the upper ends of the walls 111—112 and 113—114. The portion of the upper end 121 of the bag 120 that is adhesively secured to the inner surface of these walls extends part way down to the position indicated at 123 which is represented by the broken line in Figure 11. As shown in Figure 15, the principal lower portion of the bag 120 is unattached to the inner surfaces of the walls of the container 110.

The container 110 and bag 120 therein are arranged to receive a conventional pack 124 of cigarettes 125 which are enclosed in an envelope 126 of flexible paper. The length or height of the container 110 will depend upon the length or height of the pack 124 although it will be understood that the relatively shorter regular size pack of cigarettes can be inserted in the container of such size as to receive readily the conventional larger size of pack.

In order to receive smoking debris, an ash tray, shown generally at 129, is provided. It comprises sector shaped side walls 130 and 131 and an integral connecting wall 132 that are formed preferably of metal. The connecting wall 131 is hinged at 133 near its lower end to the lower end of the side 114 or at the right hand end of the bottom wall 115. The connecting wall 132 closes an opening 134 in the side wall 114 when the ash tray 129 is in the closed position shown in Figures 13 and 14. A lining 135 of flame proof material, such as glass fiber material, is secured to the inside of the connecting wall 132. As indicated, the ash tray 129 is arranged to receive smoking debris such as cigarette butts 136, ashes 137 and dead matches 138. This debris which is deposited in the ash tray 129 when in the open position as shown in Figures 11 and 12, occupies space within the container 110 that previously was occupied by cigarettes in the pack 124. As shown in Figure 13 the space containing the debris when the ash tray 129 is closed is defined, in part, by the wall 141 of the flexible bag 120. It bulges inwardly against the adjacent wall 142 of the pack 124 which is permitted because this wall is formed of flexible paper and because the cigarettes immediately adjacent thereto have been removed.

It will be understood that the side walls 130 and 131 slide between the inner sides of the front and back walls 111 and 112 and the adjacent sides of the flexible bag 120. In this manner the flexible bag 120 effectively separates the space containing the debris from the space containing the unusued cigarettes in the reusable container 110. Since the flexible bag 120 is flame resistant or flame proof and since the ash tray 129 is formed of metal or other flame resistant material and may be provided with the lining 135, there is no likelihood of damage resulting from the placing of lighted butts in the ash tray 129. Moreover, as soon as it is closed, the supply of oxygen is shut off and combustion cannot be sustained.

If desired, the side walls 130 and 131 of the ash tray 129 can be provided with notches 143 for holding a lighted cigarette as illustrated in Figure 11. Ears 145, Figure 12, are employed for limiting the extent that the ash tray 129 can be swung to the open position. A lip 146 extending along the upper edge of the connecting wall 132 facilitates opening of the ash tray 129 and a latching flange 147 cooperates with the lower edge of the side wall 114 at the upper end of the opening 134 for holding the ash tray 129 in the closed position.

Referring now to Figures 16 to 18 of the drawings, it will be observed that the reference character 150 designates, generally, a package or container that is formed of a paperboard shell 151 and is provided with a paperboard liner 152 enclosing cigarettes 153 that are surrounded by a foil wrapper 154. A cover 155 hinged to one wall of the paperboard shell 151 can be opened to permit access to the cigarettes 153. The construction thus far described is conventional and is embodied

in disposable cigarette packs available in the open market.

In accordance with this invention a flexible bag **156**, similar to the bag **120** described hereinbefore, is located within the paperboard liner **152** and around the foil wrapper **154**. Its upper end **157** is adhesively secured to the inner surface of the paperboard liner **152** near its upper end while the lower portion of the flexible bag **156** is free in the manner described for the bag **120**.

An ash tray **160** is employed in conjunction with the package or container **150**. It comprises side walls **161** and **162** and a connecting wall **163**. These walls are integrally formed preferably of metal. The side walls **161** and **162** are slidable between the outer surface of the bag **156** and the adjacent inner surfaces of the paperboard liner **152** when the ash tray **160** is swung between the open and closed position.

A portion **164** of a wall of the shell **151** overlies and is adhesively secured to the connecting wall **163**. It is hinged near its lower end as indicated at **165** to the shell **151**.

Extending upwardly and somewhat outwardly from the connecting wall **163** is a lip **166** which facilitates movement of the ash tray **160** to the open position. Notches **167** are provided in the side walls **161** and **162** for receiving a lighted cigarette in a manner previously described and illustrated in Figure 11. Ears **168** are formed integrally with the side walls **161** and **162** and serve to limit the opening movement of the ash tray **160**.

When the ash tray **160** is swung to the open position, as shown in Figure 17, smoking debris such as cigarette butts **136**, ashes **137** and dead matches **138** can be placed therein. This debris results from the withdrawal of cigarettes **153** and thus space is left for receiving this debris when the ash tray **160** is closed as illustrated in Figure 18. Here it will be observed the flexible bag **156** is deformed inwardly against the foil wrapper **154**. However, the flexible bag **156** effectively separates the space containing the smoking debris from the space in which the unused cigarettes **153** are located.

It will be understood that the construction shown in Figures 16–18 is intended to be thrown away once the cigarettes **153** therein have been used.

Since certain further changes can be made in the foregoing constructions and different embodiments of the invention can be made without departing from the spirit and scope thereof, it is intended that all matter shown in the accompanying drawings and described hereinbefore shall be interpreted as illustrative and not in a limiting sense.

What is claimed as new is:

1. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes, and an ash tray carried by said hollow container having side walls and an imperforate connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position, said connecting wall of said ash tray in closed position with debris therein forming substantially a continuous coplanar extension of said one container wall.

2. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes, and an ash tray carried by said hollow container having side walls and an imperforate connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the inner surfaces of the walls of said ash tray being formed by relatively non-combustible material, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position, said connecting wall of said ash tray in closed position with debris therein forming substantially a continuous coplanar extension of said one container wall.

3. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and an imperforate connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarettes butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position, said connecting wall of said ash tray in closed position with debris therein forming substantially a continuous coplanar extension of said container wall; and means interlocking said ash tray with said container to secure said ash tray in closed position.

4. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and an imperforate connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position, said connecting wall of said ash tray in closed position with debris therein forming substantially a continuous coplanar extension of said one container wall; and means on said ash tray cooperating with said container for limiting the opening movement of said ash tray with respect to said container.

5. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable out-

wardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; and readily deformable wall means between said cigarettes and said one container wall overlying said opening and providing a barrier expandable into said space within said container between the remaining cigarettes and the debris that is moved through said opening on closure of said ash tray.

6. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; and a flexible member between said cigarettes and said one container wall overlying said opening and forming a fourth wall for said ash tray in open position.

7. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; and a flexible member between said cigarettes and said one container wall overlying said opening and forming a fourth wall for said ash tray in open position, said flexible member being in the form of a tongue extending underneath the ends of the cigarettes and movable therefrom when said ash tray is moved to closed position into the space left in said container adjacent said opening in said one container wall on removal of cigarettes from said container through an extent depending upon the amount of debris deposited in said ash tray.

8. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes, and an ash tray carried by said hollow container having side walls and an imperforate connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray being hinged at one end to said one container wall and in closed position overlying said opening therein and being swingable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of swinging movement of said connecting wall of said ash tray to closed position, said connecting wall of said ash tray in closed position with debris therein forming substantially a continuous coplanar extension of said one container wall.

9. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray being hinged at one end to said one container wall and in closed position overlying said opening therein and being swingable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening, debris such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of swinging movement of said connecting wall of said ash tray to closed position, and readily deformable wall means between said cigarettes and said one container wall overlying said opening and providing a barrier expandable into said space within said container between the remaining cigarettes and the debris that is moved through said opening on closure of said ash tray.

10. In combination, an elongated hollow container in the form of a rectangular parallelpiped the width of which is substantially greater than its thickness filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; a sector shaped ash tray having a generally U-shaped cross section carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray forming the bottom of the U and being hinged at one end to said one container wall and in closed position overlying said opening therein and being swingable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; and readily deformable wall means between said cigarettes and said one container wall overlying said opening and providing a barrier expandable into said space within said container between the remaining cigarettes therein and the debris that is moved through said opening on closure of said ash tray.

11. In combination, an elongated hollow container in the form of a rectangular parallelpiped the width of which is substantially greater than its thickness filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; a sector shaped ash tray having a generally U-shaped cross section carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray forming the bottom of the U and being hinged at one end to said one container wall and in closed posi-

tion overlying said opening therein and being swingable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; readily deformable wall means between said cigarettes and said one container wall overlying said opening and providing a barrier expandable into said space within said container between the remaining cigarettes therein and the debris that is moved through said opening on closure of said ash tray, and a flange on the other end of said connecting wall of said ash tray extending toward the interior of said container for preventing escape therepast of at least a portion of the debris in said ash tray in open position should the assembly be turned toward the upside down position.

12. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; and means sealing the space within said container containing said cigarettes from the debris containing space in said ash tray to prevent the escape of debris from the latter space into the former.

13. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; a liner within said container arranged to receive the side walls of said ash tray between the outer surface of said liner and the inner surface of said container, and means providing a seal between said outer and inner surfaces to prevent the escape of debris from said ash tray into the space in which the remaining cigarettes are located.

14. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; a liner within said container arranged to receive the side walls of said ash tray between the outer surface of said liner and the inner surface of said container, and a layer of adhesive providing a seal between said outer and inner surfaces to prevent the escape of debris from said ash tray into the space in which the remaining cigarettes are located.

15. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; a liner within said container arranged to receive the side walls of said ash tray between the outer surface of said liner and the inner surface of said container, means providing a seal between said outer and inner surfaces to prevent the escape of debris from said ash tray into the space in which the remaining cigarettes are located, a wrapper around said cigarettes inside of said liner, and means providing a seal between said liner and said wrapper.

16. In combination, an elongated rectangular hollow container filled lengthwise with cigarettes and having an opening in one wall parallel to said cigarettes; an ash tray carried by said hollow container having side walls and a connecting wall, said side walls of said ash tray being disposed between the cigarettes in said container and the respective side walls thereof and movable outwardly or inwardly relative to said one container wall, said connecting wall of said ash tray in closed position overlying said opening in said one container wall and being movable away therefrom together with said side walls of said ash tray to open position, the removal of one or more cigarettes from said hollow container leaving space therein for receiving through said opening debris, such as cigarette butts, ashes, dead matches and the like, deposited in said ash tray in open position as a result of movement of said connecting wall of said ash tray to closed position; a liner within said container arranged to receive the side walls of said ash tray between the outer surface of said liner and the inner surface of said container, a layer of adhesive providing a seal between said outer and inner surfaces to prevent the escape of debris from said ash tray into the space in which the remaining cigarettes are located, a wrapper around said cigarettes inside of said liner, and a layer of adhesive providing a seal between said liner and said wrapper.

17. Means for packaging cigarettes comprising, in combination, an elongated rectangular container for receiving the cigarettes lengthwise, a flexible bag containing the cigarettes and conforming generally to the interior of said container and secured along its upper end to the upper end thereof, and an ash tray carried by said container and having side walls and a connecting wall, said connecting wall forming a part of one of the sides of said container and being movable toward and away therefrom independ-

ently of the cigarettes therein, said side walls being movable transversely of the length of said container between the opposite sides of said bag and the respective sides of said container, the removal of cigarettes from said container and bag providing space for receiving debris placed in said ash tray in open position after the same is closed, said bag defining a portion of said space and closing it off from the space occupied by the remaining cigarettes.

18. The invention, as set forth in claim 17, wherein the flexible bag is formed of flame resistant material.

19. The invention, as set forth in claim 17, wherein the flexible bag is formed principally of glass fibers.

20. The invention, as set forth in claim 17, wherein the container and flexible bag are reusable and are adapted to receive a conventional pack of cigarettes packaged in an envelope having relatively flexible walls.

21. The invention, as set forth in claim 17, wherein the container is formed of sheet metal.

22. The invention, as set forth in claim 17, wherein the container is formed of paper board and is adapted to be discarded after the cigarettes therein are used.

23. Means for packaging cigarettes comprising, in combination, an elongated rectangular container for receiving

the cigarettes lengthwise, a flexible bag containing the cigarettes and conforming generally to the interior of said container and having its outer surfaces along its upper end adhesively secured to the overlying inner surface of the upper end of said container, and an ash tray carried by said container and having side walls and a connecting wall, said connecting wall forming a part of one of the sides of said container and hinged at its lower end near the lower end of said one side of said container and being movable toward and away therefrom independently of the cigarettes therein, said side walls being movable transversely of the length of said container between the opposite sides of said bag and the respecitve sides of said container, the removal of cigarettes from said container and bag providing space for receiving debris placed in said ash tray in open position after the same is closed, said bag defining a portion of said space and closing it off from the space occupied by the remaining cigarettes.

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