Nov. 28, 1933. L. A. GALLAHAN 1,937,222

CIGARETTE PACKAGE

Filed Feb. 20, 1932

Fig. 1

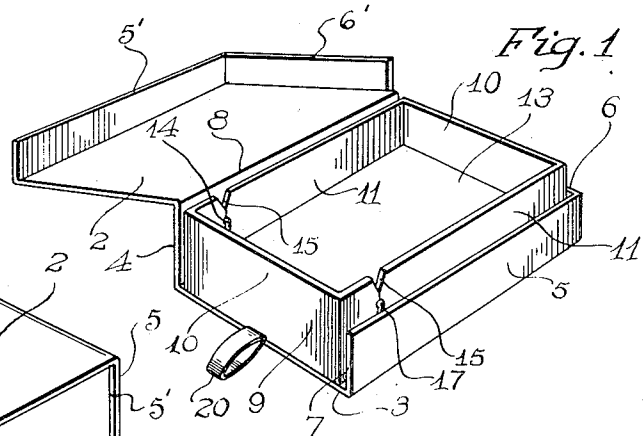


Fig. 2

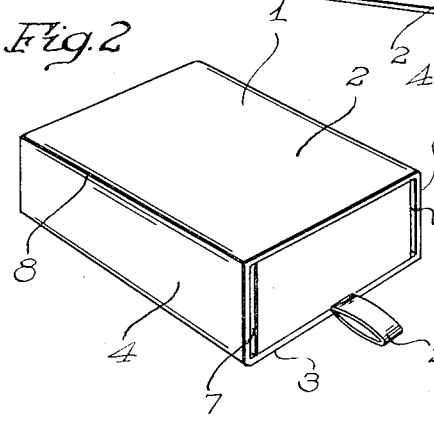


Fig. 3

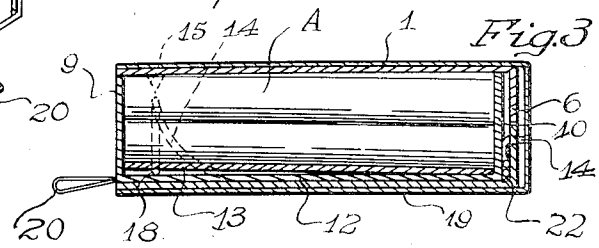


Fig. 4

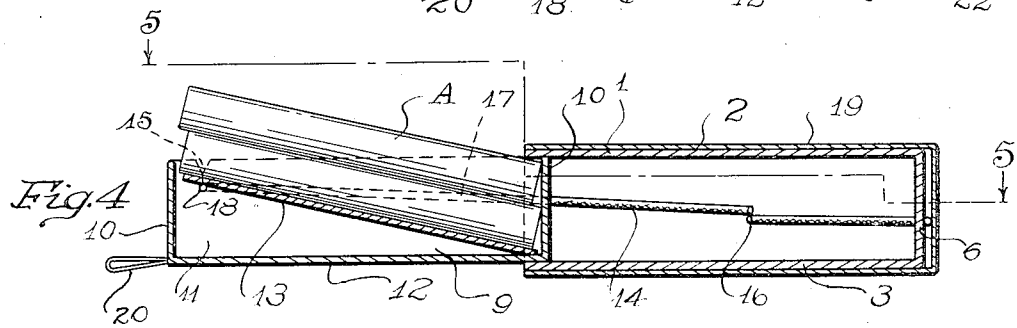


Fig. 5

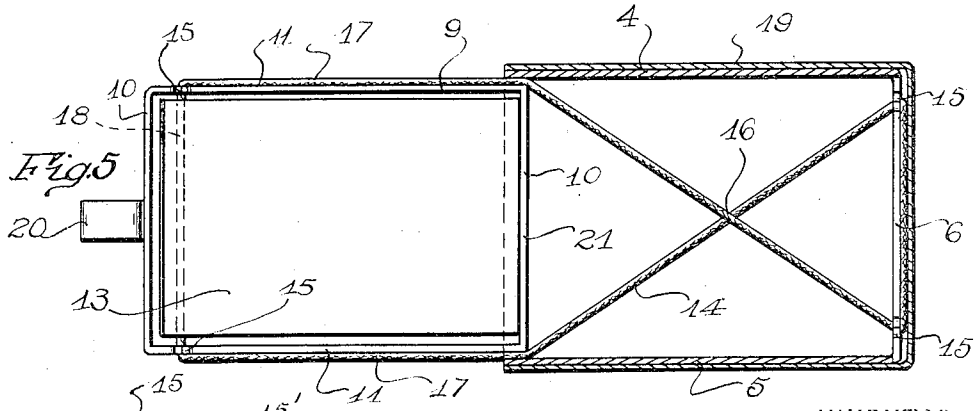
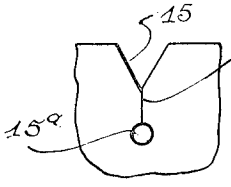


Fig. 6



INVENTOR

Leonard A. Gallahan

BY

his ATTORNEY

Patented Nov. 28, 1933

1,937,222

UNITED STATES PATENT OFFICE

1,937,222

CIGARETTE PACKAGE

Leonard A. Gallahan, Rochester, N. Y.

Application February 20, 1932. Serial No. 594,315

9 Claims. (Cl. 229—11)

This invention relates to cigarette packages and more particularly to a package which will permit of readily removing the cigarettes therefrom.

One object of the invention is to provide a package which is readily filled with cigarettes or like contents.

Another object of the invention is to provide a cigarette package which, when opened, will project the cigarettes or other contents therein above the top of the package to permit ready removal of the contents therefrom.

A further object of the invention is to provide a cigarette package or the like whereby upon opening the same the cigarettes or other contents will be automatically raised above the height of the package and will be readily removable.

A still further object is to provide a cigarette package which is of simple design and inexpensive construction, enabling the same to be manufactured at a very low cost and when the contents of the package have been removed the same may be discarded.

With these and other objects in view, the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawing, and set forth in the claims hereto appended, it being understood that various changes in the form, proportion, and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit of the invention or sacrificing any of the advantages thereof.

In the drawing:

Figure 1 is a perspective view of a cigarette package constructed in accordance with my invention, showing the same in an opened condition and ready to receive the cigarettes or other contents therein.

Figure 2 is a perspective view of the package in its closed position.

Figure 3 is a horizontal sectional view showing the package in closed position.

Figure 4 is a horizontal sectional view showing the package in its opened or extended position.

Figure 5 is a plan view taken on the lines 5—5 of Figure 4; and

Figure 6 is a detail view of the notches in the tray and casing.

Referring more particularly to the drawing, the reference character 1 indicates the outer casing of the package. This casing consists of a front 2, a back 3, side walls 4 and 5, a bottom or rear end 6 and an open or front end 7. The casing 1 is longitudinally severed or divided along the side wall 5, as at 5' and the bottom 6 is also divided or transversely severed as at 6'. Thus, the casing is adapted to be opened in half by transverse swinging movement, as shown in Figure 1 and the front 2 thereof is hinged on a scored portion 8 of the side wall 4, thereby permitting ready and unobstructed insertion of the cigarettes A in the tray or drawer 9.

The tray or drawer 9 is adapted to be slid longitudinally into and out of the open end 7 of the casing 1. This tray consists of end and side walls 10 and 11 respectively, and a bottom 12. The side walls 11 are provided with oppositely disposed notches 15 adjacent the forward end of the tray. A false bottom 13 is placed within the tray 9 and rests on the bottom 12 thereof and is free to move therein.

An endless cord 14 is engaged in notches 15 in one portion of the bottom 6 of the casing 1 and is crossed as at 16 and extends along the sides 11 of the tray 9 as at 17 and is engageable in the similarly formed notches 15 in the side walls 11 of the tray 9 and rests on the bottom 12 and is in engagement with the underside of the outer or forward end portion of the false bottom 13 as at 18 in Figure 3. It will be noted this construction permits a ready engagement of the cord 13 with the false bottom and also a ready disengagement of the false bottom from the cord thus facilitating a ready removal or insertion of the false bottom from or to place within the tray 17. A suitable wrapper 19 surrounds the casing 1 and seals or closes the same, holding the front 2 in engagement with the back 3 by means of the side walls 5 and the bottom 6 contacting at their severed portions 5' and 6' respectively. In Figure 3 the wrapper 19 has been torn away at the front of the package to enable the tab 20 which is secured to the tray 9 to be grasped and the tray slid outwardly, as shown in Figure 4, thereby tensioning the cord 14, and when the tray reaches the position as shown in Figures 4 and 5, that portion of the cord on the under side of the false bottom 13 will raise the forward end of the false bottom and project the cigarettes A or other contents so that said contents will extend above the top of the tray and so that they may be readily removed therefrom.

When the tray is slid into the casing the inner end 21 of the tray will engage the crossed portion 16 of the cord and the slack in the cord will thereby be taken up and the cord will be maintained wholly within the casing when in closed position,

as shown at 22 in Figure 3. The cigarettes, upon sliding the tray in the casing, will engage the lower portion of the front 2 and will be automatically replaced or lowered within the tray 9, or the cigarettes may be lowered or replaced in the tray by simply pressing downwardly on the forward end of the cigarettes and simultaneously with such action sliding the tray into the casing.

The formation of the notches 15 will prevent removal or displacement of the cord 14 once it has been placed in the circular openings 15a of the notches past the slit portions 15', as shown in Figure 6. The wrapper 19 may be of any suitable material such as paper, "Cellophane", etc. The casing 1 and the tray 9 may be of any suitable material but are preferably made of cardboard, which may be stiff or relatively flexible, as desired.

From the above it will be seen that a novel package for cigarettes or the like is formed which overcomes a great objection to the types of cigarette packages in common use. Tradesmen have found it very difficult to remove cigarettes from the conventional cigarette package, due to the fact that the cigarettes must be grasped from within the package to be removed therefrom. In the present invention, upon sliding the tray out of the casing the cigarettes will be automatically projected or lifted so that the forward or outer end portion thereof will extend above the top of the tray and so that said cigarettes may be readily removed from the tray along an unobstructed path.

The transverse swinging movement of the cover or cover section of the casing permits a ready assemblage or placement of the cigarettes within the tray and also a ready and full inspection of the contents before finally closing the casing previous to distribution of the ultimate package to the trade. However, it will be noted that the package is constructed so that when in use by the purchaser, there can be realized the advantage of the longitudinal movement of the cigarettes preparatory to or during the removal of a cigarette by longitudinal movement through the end of the package or casing. In other words, the particular package provides a construction that enables the realization of certain desirable and favorable characteristics which are advantageous to the manufacturer or producer of packaged cigarettes on the one hand and of certain desirable and favorable characteristics which are advantageous to the use of the cigarette on the other hand.

What is claimed is:

1. A package comprising a casing, a tray slidable in the casing, a false bottom in the tray, which false bottom extends longitudinally of the tray and transversely the full width thereof, and means connected to the casing and tray and engageable with the under side portion of the said false bottom so that when the tray is slid out of the casing the said means will raise the false bottom and simultaneously the contents thereupon so that a portion of the latter will extend above the top of the tray.

2. A package comprising a casing, open at one end, a tray slidable into and out of the open end of the casing, a false bottom in the tray, flexible means consisting of a cord anchored to the closed end of the casing and movably connected with the sides of the tray and extending underneath the forward end of said false bottom, whereby when said tray is slid out of the casing the cord will engage the underside of the false bottom and raise the same and the contents of the tray will project above the top of the tray at its forward end.

3. A cigarette package comprising a casing open at one end, a tray slidable into and out of the open end of the casing, an endless cord anchored to the closed end of the casing, said cord being crossed adjacent the closed end of the casing and slidably connected to the sides of the tray near the front thereof and extending across the bottom of the tray beneath the said false bottom, whereby when the tray is slid out of the casing that portion of the cord under the false bottom will raise and carry with it the said false bottom and the contents will project above the top of the forward end of the tray, and when the tray is slid into the casing the inner end of the tray will engage the crossed portion of the cord and the slack in the cord will be taken up thereby maintaining the cord within the casing when in closed position.

4. A package comprising a casing having an open end, a tray slidable longitudinally into and out of the open end of the casing, said casing having one of its side walls longitudinally severed and its bottom or other end transversely severed to permit the same to be opened in half by transverse swinging movement so that the contents may be readily inserted in the tray, and a wrapper surrounding the casing to seal the same.

5. A package comprising a casing having an open end, a tray slidable into and out of the open end of the casing, said casing having one of its side walls and its bottom severed to permit the same to be opened in half so that the contents may be readily inserted in the tray, a wrapper surrounding the casing to seal the same, a false bottom in the tray, an endless cord anchored to the casing and slidably connected to the sides of the tray near the front thereof and extending across the bottom of the tray beneath the said false bottom, whereby when the tray is slid out of the casing that portion of the cord under the false bottom will raise and carry with it the said false bottom and the contents will project above the top of the forward end of the tray.

6. A package comprising a casing having an open end, a tray slidable into and out of the open end of the casing, said casing having one of its side walls and its bottom severed to permit the same to be opened in half so that the contents may be readily inserted in the tray, a wrapper surrounding the casing to seal the same, a false bottom in the tray, an endless cord anchored to the closed end of the casing, said cord being crossed adjacent the closed end of the casing and movably connected to the sides of the tray near the front thereof and extending across the bottom of the tray beneath the said false bottom, whereby when the tray is slid out of the casing that portion of the cord under the false bottom will raise and carry with it the said false bottom and the contents will project above the top of the forward end of the tray, and when the tray is slid into the casing the inner end of the tray will engage the crossed portion of the cord and the slack in the cord will be taken up thereby maintaining the cord within the casing when in closed position.

7. A package comprising a casing, a longitudinally movable container slidably mounted in the casing, supporting means in the container upon which suitable contents are placed, which supporting means is provided by a longitudinally unobstructed false bottom that extends the full length of the interior of the container, and means

engaging the casing, the movable container and said supporting means at the outer end portion of the latter so that when the container is longitudinally moved in an outward direction the second-mentioned means will automatically raise the outer end portion of the supporting means and simultaneously therewith the said contents so that said contents will extend above the top of the casing and container.

8. A package comprising a casing, a tray slidable in the casing, a false bottom in the tray, a flexible means engageable with the casing, the tray, and the false bottom at the outer end portion of the latter so that when the tray is slid out of the casing said means will raise the outer end portion of the false bottom and simultaneously therewith the contents thereupon so that the contents will extend above the top of the tray at its outer or forward end.

9. A package comprising a casing having an open end, a tray capable of longitudinal sliding movement therein, said casing having only one side wall and its normally closed end severed to permit the casing to be opened in half by a transverse swinging movement so that the contents may be readily inserted in the tray, and means for holding the two halves of the casing together after the tray has been filled.

LEONARD A. GALLAHAN.