Dec. 9, 1924. 1,519,000

E. G. MOORE ET AL

CIGARETTE PACKAGE FILLER

Filed April 10, 1923

Fig. 1,

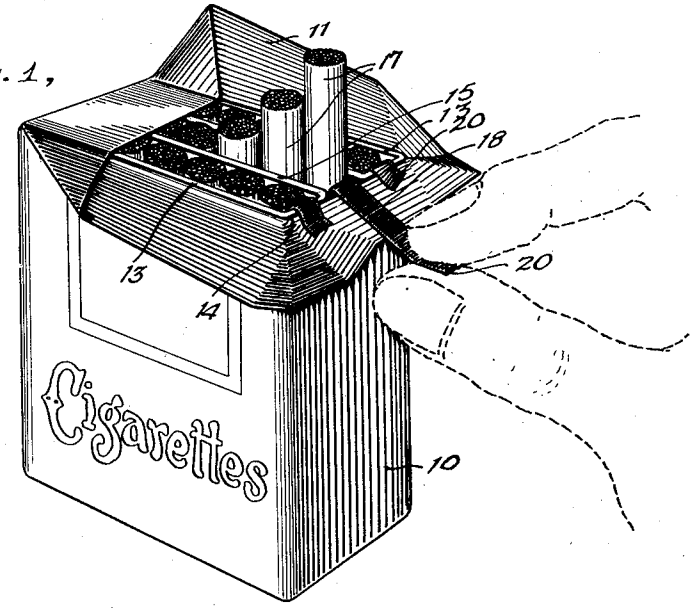


Fig. 2,

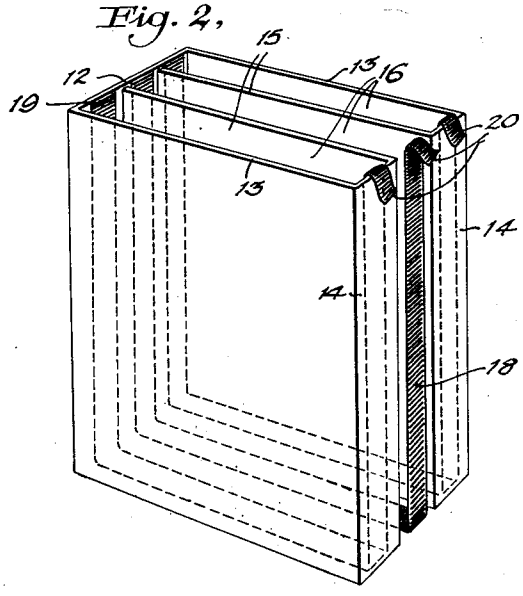
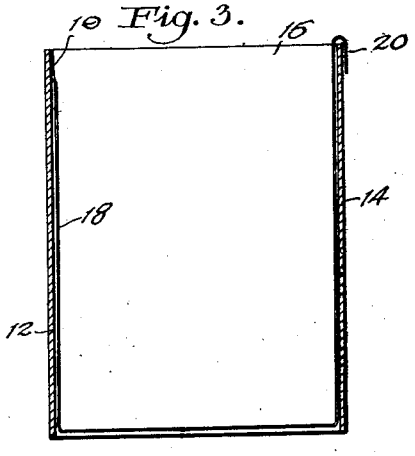


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

EDITH G. MOORE AND MARGERY P. WOOD, OF NEW YORK, N. Y.

CIGARETTE-PACKAGE FILLER.

Application filed April 10, 1923. Serial No. 631,135.

To all whom it may concern:

Be it known that we, EDITH G. MOORE and MARGERY P. WOOD, citizens of the United States, and residents of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Cigarette-Package Filler, of which the following is a full, clear, and exact description.

This invention has relation to fillers for packages and has particular reference to a filler for a wrapped package containing cigarettes, little cigars or other similar articles.

One of the principal objects in view is to provide a filler for wrapped packages containing cigars, cigarettes or other similar articles, which filler serves to subdivide the package into a plurality of compartments for separately housing and protecting each longitudinal row of cigarettes.

As a further object the invention contemplates in combination with a cigarette housing compartment, means for lifting and projecting the ends of the cigarettes from the open end of the compartment to facilitate the grasping and removal of the cigarette from the package.

As a further object the invention aims to provide a filler and cigarette removal means of the character described which is extremely simple in its construction, inexpensive to manufacture and highly efficient in its purpose.

With the above recited and other objects in view, the invention resides in the novel construction set forth in the following specification, particularly pointed out in the appended claims and illustrated in the accompanying drawing, it being understood that the right is reserved to embodiments other than those actually illustrated herein to the full extent indicated by the general meaning of the terms in which the claims are expressed.

In the drawing—

Figure 1 is a perspective view of a cigarette package equipped with a cigarette filler and removing means constructed in accordance with the invention and illustrating the operation of the device.

Fig. 2 is a perspective view of the filler and removal means removed from the package.

Fig. 3 is a longitudinal sectional view through the filler.

Referring to the drawing by characters of reference, 10 designates a standard form of wrapped cigarette package, which package includes a rectangular wrapper or sheet of flexible pliable material having a continuous marginal edge 11 provided with a plurality of inter-folded portions normally closing the end of the package, which edge is open to expose one end of the cigarettes. At the present time a relatively stiff filler is arranged within the package and embraces the cigarettes to protect the same against breakage but the longitudinal rows of cigarettes are not individually housed by said filler nor is there any means provided to facilitate the withdrawal or removal of the cigarettes, and therefore considerable difficulty is experienced in removing the same which often results in breakage of the end of the cigarette.

The filler which constitutes the invention in the present case consists of a relatively stiff sheet of material which is bent medially upon itself to provide an end wall 12 approximately equal to the width of the package and to fit within the end wall thereof. The material is bent to further provide parallel outer side walls 13 corresponding approximately to the internal length of the package and adapted to lie against the inner side walls thereof. The strip is further bent from the free ends of the side walls 13 inwardly to provide aligned opposite end walls 14 extending toward each other and in alignment with the remaining terminals of the strips bent toward the first mentioned end wall to provide spaced parallel intermediate side walls 15, the free ends of which contact with the inner side of said first mentioned end wall 12 whereby the filler is inserted in the package defines together with a plurality of compartments 16 for individually housing the cigarettes 17 in longitudinal single rows or files. The illustration in the present instance is particularly designed for packages in which three longitudinal rows of cigarettes are provided for, but it is to be understood that the filler can and may be so formed as to accommodate two or more rows as desired.

The means for lifting and projecting the cigarettes above the upper end of the package and filler to facilitate the grasping and removal of the same from the package comprises a flexible strip of material or tape 18 one end of which is secured as at 19 to the upper edge of the end wall defining a ciga-

rette compartment. The flexible element or tape 18 extends downwardly from its connected point 19 and under the lower ends of the row of cigarettes, thence upwardly adjacent the opposite end wall of the compartment with the free end 20 extending therebeyond. When the package is opened by unfolding the interfolded portions of the marginal edge 11 to expose the ends of the cigarettes, the user grasps the free ends 20 of the flexible element or tape 18 and by exerting a pull thereon lifts and projects the ends of the cigarettes upon the upper open edge of the package and the filler whereby the same may be readily grasped to facilitate their removal. When the cigarette or cigarettes desired have been removed, the user by pressing on the upper end of the unused or unremoved cigarettes which project above the package returns the same to normal position and closes the marginal edge 11.

It will thus be seen that an improved filler for wrapped cigarette packages has been provided together with means for lifting and projecting the ends of the cigarettes from the package to facilitate their removal without destroying or mutilating the end of the cigarettes during the removal operation.

We claim:

1. The combination with a cigarette package, of a filler therefor comprising a strip of relatively stiff material bent medial to provide an end wall, a pair of parallel side walls, each of said side walls having an inwardly bent portion at its free end to provide aligned opposite end walls and further bent from the free inner ends of the end walls to provide spaced parallel intermediate side walls, the free ends of which contact with the inner side of said first mentioned end wall, whereby said filler together with the package in which it is arranged defines a plurality of laterally spaced longitudinally extending compartments each adapted for the reception of a single longitudinal row or file of cigarettes.

2. The combination with a cigarette package, of a filler therefor comprising a strip of relatively stiff material bent medial to provide an end wall, a pair of parallel side walls, each of said side walls having an inwardly bent portion at its free end to provide aligned opposite end walls and further bent from the free inner ends of the end walls to provide spaced parallel intermediate side walls, the free ends of which contact with the inner side of said first mentioned end wall, whereby said filler together with the package in which it is arranged defines a plurality of laterally spaced longitudinally extending compartments each adapted for the reception of a single longitudinal row or file of cigarettes, and means for lifting and projecting the cigarettes above and beyond the upper open end of the package and filler to facilitate the grasping and removal of said cigarettes therefrom.

3. The combination with a cigarette package, of a filler therefor comprising a strip of relatively stiff material bent medial to provide an end wall, a pair of parallel side walls, each of said side walls having an inwardly bent portion at its free end to provide aligned opposite end walls and further bent from the free inner ends of the end walls to provide spaced parallel intermediate side walls, the free ends of which contact with the inner side of said first mentioned end wall, whereby said filler together with the package in which it is arranged defines a plurality of laterally spaced longitudinally extending compartments each adapted for the reception of a single longitudinal row or file of cigarettes, and means for lifting and projecting the cigarettes above and beyond the upper open end of the package and filler to facilitate the grasping and removal of said cigarettes therefrom, said means comprising a flexible element secured at one end to the upper edge of the first mentioned end walls, extending downwardly and under the lower ends of the cigarettes and upwardly and beyond the upper end of the cigarette at the opposite end of the row.

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