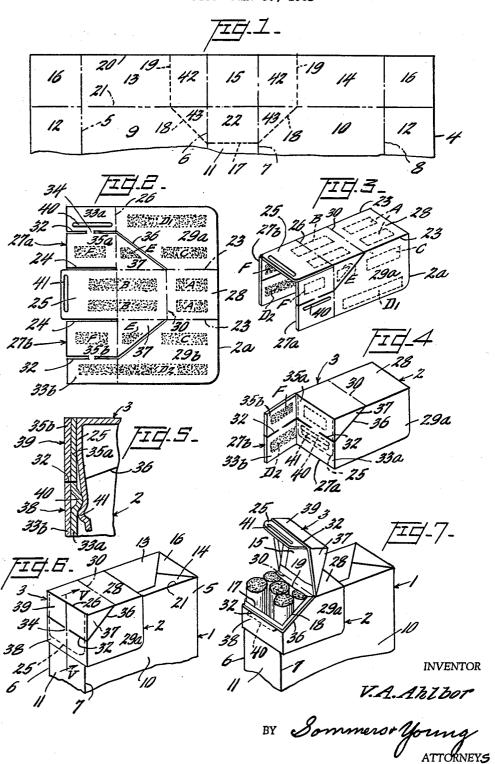
PACKAGES

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3,105,591 **PACKAGES**

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Conventional soft cigarette packages are affected with 10 the drawback consisting in that one of the ends of the package is likely to be mutilated when the consumer removes the first cigarette from the package through said end, or said end can hardly be reclosed satisfactorily after such removal of a cigarette.

It is an object of the present invention to improve such soft packages so that they will in important respects be equivalent to boxes and not be affected with the abovementioned drawbacks. Accordingly, the invention relates to a package for cigarettes or similar articles comprising a thin wrapper of a flexible material having a rectangular top end and, according to the invention, said package has a cap of a more rigid material secured to the top end of the wrapper and having a hinged lid and covering part of the wrapper. This involves that it is also an object 25 of the invention to provide something between a conventional soft package and a rigid box presenting the advantages of both said performances but avoiding their imperfectnesses.

scribed, by way of example, with reference to the accompanying drawing, in which

FIGURE 1 shows the expanded upper end of a wrapper forming the soft package;

FIGURE 2 shows the pasted inside of a blank for pro- 35 posed incision 24. ducing the cap of the package;

FIGURE 3 is a perspective view of said cap blank folded partially;

FIGURE 4 is a view similar to FIGURE 3 and showing the cap folded almost completely;

FIGURE 5 shows on an enlarged scale with exaggerated wall thicknesses a section of the front portion of the cap taken on the line V-V of FIGURE 6;

FIGURE 6 is a perspective view similar to FIGURES 3 and 4 and showing the top end of a cigarette package made of the blank shown in FIGURE 1 and provided

FIGURE 7 is a view similar to FIGURE 6 and showing the lid of the cap in open position.

The relatively thin wrapper or envelope blank 4 shown 50 in FIGURE 1 is folded in conventional manner on lines 5, 6, 7 and 8 which divide said blank into two wide panels 9 and 10, one narrow panel 11 and two marginal panels 12. A transversal fold line 21 defines the upper portions of said panels. When folding this blank the marginal 55 panels 12 are applied to one another and interconnected adhesively to form a rectangularly tubular blank having the two oppositely disposed wide side walls consisting of the panels 9 and 10 and two oppositely disposed narrower side walls consisting of the panels 11 and 12. 60 Above the fold line 21 this tubular blank has the wide panel ends 13 and 14, the narrow panel end 15 and a narrow end consisting of the two panel ends 16 applied to each other. These panel ends are in known manner tucked in and folded down upon each other so that the 65 top end of the soft package 1 obtains the conventional appearance shown in FIGURE 6. The wrapper blank 4 is for a purpose indicated hereinafter provided with tearing lines 17, 18 and 19 consisting, e.g., of perforations. The line 17 extends transversely between the fold 70 lines 6 and 7 and from the ends of line 17 the two divergent lines 18 extend obliquely on to the fold line 21 where

they are continued by both the lines 19 which extend transversely to line 21 up to the top edge 20 of the wrapper blank 4.

To that half of the rectangular top end of the package 1 which is juxtaposed one of the narrow edges of said top end (corresponding to that portion of the fold line 21 which is located between the lines 6 and 7) is secured adhesively a cap 2 which has a lid 3 and is formed by folding the blank 2a shown in FIGURE 2 and consists of a material which is more rigid than the wrapper 4, e.g. cardboard or plastic material.

The cap blank 2a is provided with fold lines 23 which merge into incisions 24 which define a tongue 25 disposed between a pair of side flaps 27a and 27b. A fold line 26, extending transversely to the lines 23, separates the tongue 25 and the flaps 27a and 27b from the middle section 28 and the side sections 29a and 29b. A fold line 30 extends across the middle section 28. The side flaps 27a and 27b are by incisions 32 divided into inner sections 35a and 35b and narrower side sections 33a and 33b. The length of the tongue 25 is somewhat greater than the width of the side flap sections 35a and 35b. The incisions 32 have discontinuities in the form of breakable portions 34 between the flap sections 35a and 33a and between the flap sections 35b and 33b. From the incisions 32to the fold line 30 extend convergent incisions 36 obliquely on the panels 29a and 29b. Said oblique incisions 36 define triangular panels 37 adapted to form side walls of the lid. The side flap section 33a has on its inside A specific embodiment of the invention will be de- 30 a rim 40 formed by an impression in the outer face of said panel. The tongue 25 has an exterior rim 41 formed by an impression in the inner face of the tongue and the distance of which from the fold line 26 is slightly greater than the distance of the rim 40 from the juxta-

The cap blank 2a is provided with adhesive zones A, B, C, D₁, D₂, E and F all of which, except the zones D₁ and D2, are arrangel by pairs symmetrically. The zone D_2 extends across the panels 29b and 33b whereas the 40 zone D_1 extends across the panel 29a only.

The cap blank 2a is applied to the finished package 1 in such manner that it covers that half of the top end of the package which is adjacent to the wall 11 whereby it adheres to said top end by its adhesive zones A and B, the fold lines 23 coincide with the top edges of the package walls 9 and 10 and the fold line 26 coincides with the top edge of the package wall 11. Thereby the fold line 30 of the cap blank will be positioned slightly behind the coinciding tearing lines 19 of the wrapper 4. Thereafter the tongue 25 is folded down upon the wrapper side wall 11 so that it will by means of the adhesive zones B adhere to the rectangular wall portion 22 of the wrapper 4. Thereby the adhesive zones B extend downwardly almost right on to the transversal tearing line 17 of the package wall 11. Thereafter the side flap 27a is folded on the package edge 7 (FIGURE 6) upon the tongue 25 as shown in FIGURE 4 so that it will cover and adhere to same by its adhesive zone F. Thereafter the side flap 27b is folded on the package edge 6 upon the side flap 27a so that it will adhere to same by its adhesive zones D2 and F whereby the incisions 32 of both the side flaps will coincide and the breakable portions 34 of said flaps will overlap. Thereby the package 1 has, according to FIGURE 6, been provided with the folded cap 2, in which the bottom edge of the tongue 25, projecting downwardly from the front top edge 26 of the lid 3, is disposed between the incision 32 and the bottom edge of the front wall 38 of the cap. Thus, the overlapping side flaps 27a and 27b of the cap 2 form a wall which by the coinciding incisions 32 is divided into the front lid wall 39 and that front wall portion 38 of the cap which is located below the wall 39 and within which

the tongue 25 is located. As shown in FIGURE 5 the locking rim 41 of the inwardly yielding tongue 25 is disposed below the rim 40 on the inside of the front wall portion 38 of the cap so that the lid will be kept closed yieldingly.

In the blank 2a for forming the cap 2 the incisions and fold lines are so positioned that the incisions 32 and 36 in the cap applied to the package will be located slightly below the tearing lines 17 and 18 of the finished package. When the lid 3 has been opened (FIGURE 7) after break- 10 ing the seal 34 the portions 15, 22, 42 and 43 of the wrapper 4 adhering to the lid will be torn away from the package end and follow the lid when swinging upwardly. The torn edges formed thereby have in FIGURE 7 the same reference characters as the corresponding tearing 15 lines shown in FIGURE 1. When the lid 3 is folded upwardly the rim 41 on the tongue 25 slides across the wall rim 40 whereby the tongue yields inwardly slightly.

From FIGURE 7 it is evident that even the first cigarette can easily be taken out of the package, viz. through 20 the rigid corner consisting of the cap 3 whereafter the package can easily be reclosed tightly thereby that the tongue 25 is urged rearwardly slightly when the lid 3 is folded down whereby said tongue will be introduced between the edge 17 of the package wall 11 and the top edge 25 of the rigid front wall section 38 of the cap 2. Owing to its resistance to displacement inwardly the tongue 25 retains the lid 3 in its closed position safely and in dependence of the material used for producing the cap. The edges 17 and 18 of the package extend upwardly beyond 30 the adjacent edges 32 and 36 of the cap whereby the sealing of the closed lid 3 will be improved and the introducing of the tongue 25 between the wall section 38 of the cap 2 and the package wall 11 below the edge 17 will be facilitated.

Alternatively the corner portion 15, 22, 42 and 43 of the package 1 is not secured to the lid 3 of the cap 2. In such case it can be torn away manually after the lid 3 has been opened and also in such case the package opening will obtain substantially the appearance shown in FIG- 40 URE 7.

I claim:

A package for cigarettes or similar articles comprising a thin wrapper of a flexible material having a pair of side walls, a front wall, and a rectangular top end wall; a cap of a more rigid material having a top wall secured to said wrapper top end wall, said cap top wall having a flap extending beyond the upper edge of said wrapper front wall, two side walls covering upper portions of the wrapper side walls, each having an end flap extending beyond the respective wrapper side walls past said wrapper front wall, said top wall flap being folded down, and said cap side wall flaps being folded one upon the other across the upper portion of said wrapper front wall so that they overlap said top wall flap and are secured together, said side wall end flaps each being provided with an incision in register with each other and dividing said side wall flaps into upper portions constituting together with said top wall flap an upper three-ply front wall of said cap and lower portions constituting a lower two-ply front wall of said cap overlapping an end portion of said top wall flap, a portion of said cap top wall carrying said top wall flap, triangular portions of said side walls adjacent said cap side-wall flaps and said upper three-ply front wall of said cap being hingedly connected with the remaining portion of said cap top wall and consisting of a lid constituting a wrapper opener secured to said wrapper top end for providing an access opening in said wrapper top end and also constituting a means for the reclosure of said access opening, said cap side walls each having an oblique incision extending from said cap top wall to said incisions of said side wall end flaps and defining the lower edges of said triangular side wall portions, said wrapper having tearing lines registering substantially with said incisions of the cap and constituting the lower edges of the top sections

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of said wrapper walls adhesively connected with said tri-

angular side wall portions and with said three-ply front

wall of said lid.

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