Oct. 12, 1948. A. G. DAVIS 2,451,382

COMBINED DISPENSING AND BLADE HOLDING BOX

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Fig. 1.

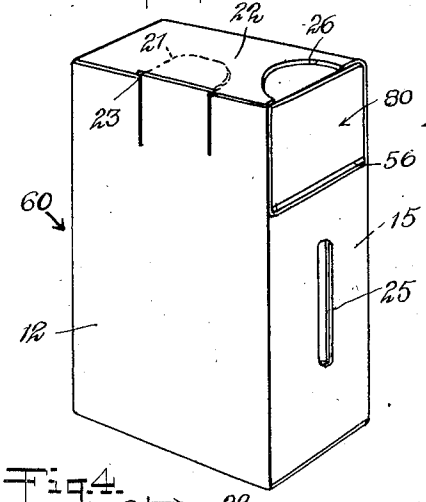



Fig. 2.

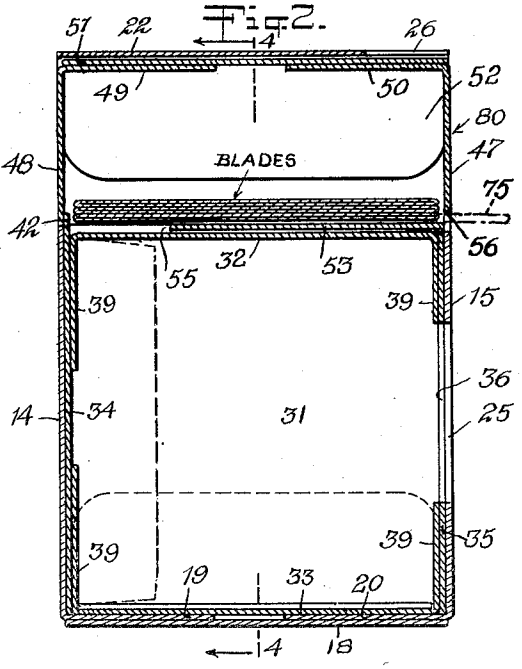



Fig. 4.

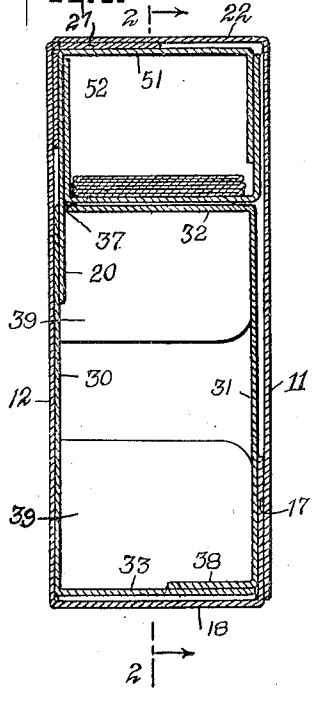



Fig. 3.

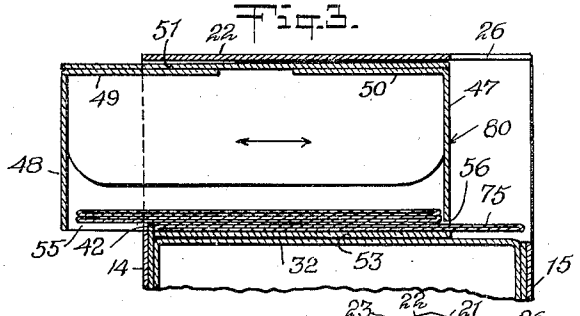
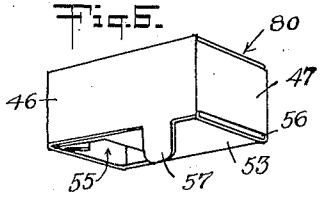



Fig. 5.



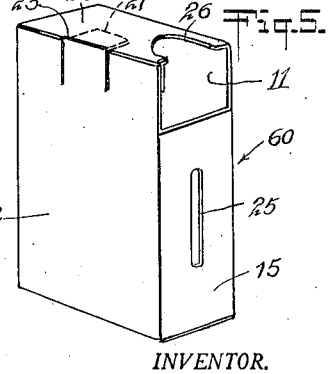
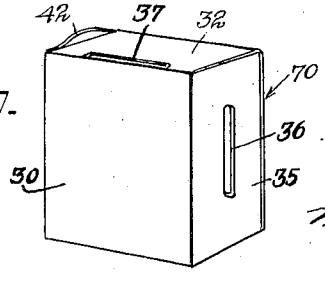




Fig. 7.




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Fig. 8.

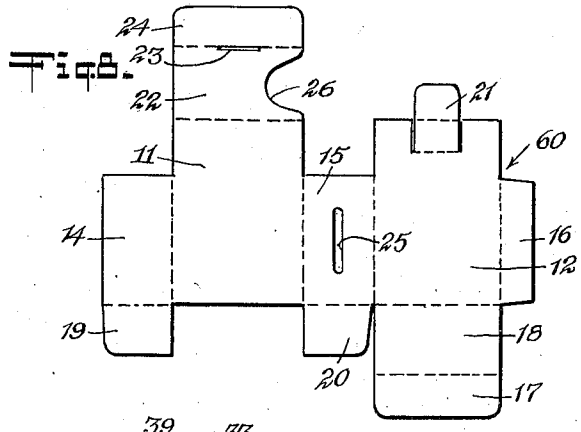



Fig. 9.

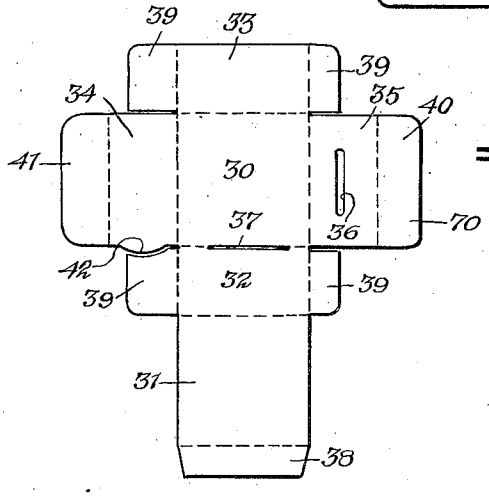
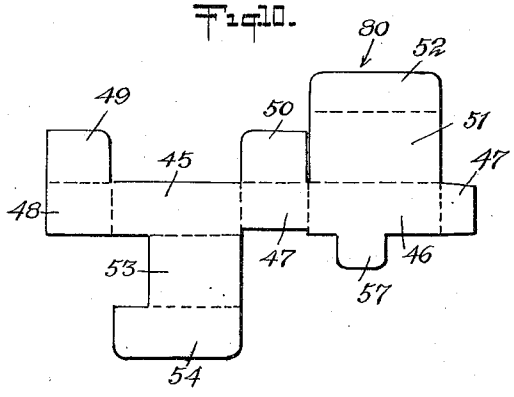



Fig. 10.




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# UNITED STATES PATENT OFFICE

2,451,382

## COMBINED DISPENSING AND BLADE HOLDING BOX

Albert G. Davis, Newton Center, Mass., assignor to The Nevins-Church Press, New York, N. Y., a corporation of New York

Application October 31, 1945, Serial No. 625,835

2 Claims. (Cl. 206—16)

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This invention relates to containers and more particularly to a combined dispensing and blade holding package.

An object of the invention is to provide a container which will dispense blades one at a time as they are needed.

A further object is to provide a container which will not only dispense single blades but will provide means for disposing of the blades after they are used to avoid cutting the fingers and the other hazards of loose blades.

A still further object is to provide a container which may be made of relatively inexpensive commercial paper and which may be stamped out with commercial machinery and methods.

Referring more particularly to the drawings—

Fig. 1 is a perspective view of the container embodying a preferred form of my invention.

Fig. 2 is a cross-sectional view in elevation, taken on the line 2—2 of Fig. 4.

Fig. 3 is a view showing the dispensing portion in operation.

Fig. 4 is a cross-sectional view taken on the line 4—4 of Fig. 2.

Fig. 5 is a perspective view of the outer container.

Fig. 6 is a perspective view of the dispensing portion of the container.

Fig. 7 is a perspective view of the used blade compartment.

Fig. 8 is a view of the outer container in blank form.

Fig. 9 is a view of the hold blade container in blank form.

Fig. 10 is a view of the dispensing portion of the container.

The blanks are folded along the scored lines to form the outer container. Referring to Fig. 8 the panels 11 and 12 form the sides of the container, while the panels 14 and 15 form the ends. The tab 16 is pasted under the side 14 while the tab 17 on the bottom 18 is folded over the flaps 19 and 20 and under the sidewall 11 to complete the bottom structure. The side 12 has a tab 21 which is used to lock the top 22 by passing into the slot 23 between the cover 22 and the tab 24. The end 15 has a slot 25 large enough to accommodate old blades.

Referring to Fig. 9, the used blade compartment is formed with side members 30 and 31, a top member 32, a bottom member 33. It is also provided with end members 34 and 35. End member 35 has a slot 36 which in assembly registers with the slot 25 of the outlet. Between the top member 32 and the side member 30 is a cut 37.

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In assembly the tab 38 is pasted under the bottom member 33. The tabs 39 are folded inwardly in the conventional manner, the tab 40 inserted under the side member 31 and the tab 41 inserted under the side member 31 to form a complete box which is inserted into the outer container. It will be noted that the cut between the end 34 and the tab 39 attached to the top 32 is curved to produce a projecting member 42, the purpose of which will be discussed further.

The new blade compartment and dispensing section is provided with two side members 45 and 46 connected by an end member 47 and having an additional end member 48. The end member 46 has a tab 47 adapted to be pasted behind the end member 48. Tabs 49 and 50 are adapted to be folded and held down by the top member 51 whose flap 52 is folded behind the end member 45. The side member 45 has a bottom member 53 with a tab 54. It will be noted that the bottom member 53 is narrower than the top 51 so that an opening 55 is left when the container is assembled, as is clearly shown in Fig. 6. The end member 47 is also cut slightly higher than the end member 46 in order to form a slot 56 when the assembly is complete. Pending from the side member 46 is a tab 57 which in assembly is adapted to slide in the slot 37, as is shown in Fig. 7.

In assembly the outer container 60 is first assembled with the top open. The used blade compartment 70 is then assembled and inserted within the outer container with the slot 36 in register with the slot 25. The new blade container 80 is then assembled with the new blades within this container and it is placed within the outer container with the tab 57 in the slot 37, and with the projection 42 within the opening 55. The cover, or top, 22 is then closed and the tab 21 inserted within the slot 23 to lock the cover closed. The top, or cover, 22 has a cutout portion 26 which forms a space in which the thumb of the operator may move. When it is desired to secure a new blade the new container 80 is slide inwardly at which point the projection 42 holds the lower blade from sliding, as shown in Fig. 3, and causes it to be expelled through the slot 56. The limited travel of the member 80 is governed by the movement of the tab 57 in the slot 37. Upon the return movement the blade 75, which has been pushed through the slot 56, will be frictionally carried forward so as to extend beyond the package where it can be readily grasped by the user. After the blade has been used and is ready for discard, it may be inserted

through the slots 25 and 36 into the used blade compartment.

It will be seen that I have provided a complete package which not only dispenses new blades but makes provision for the disposal of old ones. It will also be appreciated that modifications of my package may be made to handle items other than blades without departing from the inventive concept.

I claim:

1. A container for razor blades, or the like, comprising an outer container having a slot in one wall thereof, a used blade container within said outer container having a slot in register with said slot in the outer container, a projection on said used blade container, a new blade container positioned above said used blade container within said outer container and slidably mounted for limited movement within said outer contaainer, the bottom of said new blade container defining an opening at one end thereof through which said projection on said used blade container extends, a slot in one wall of said new blade container at the opposite end thereof whereby the movement of said new blade container in one direction will cause a blade to be engaged by said projection and ejected through said slot and whereby movement of said new blade container in the opposite direction will deliver said blade extending through said slot.



2. A container for razor blades or the like comprising an outer container having a slot through one wall thereof, a used blade container within said outer container having a slot registering with the slot in the outer container, said used blade container having an additional slot adjacent the top thereof, a dispensing container having an opening in the bottom thereof and having a tab extending through said second mentioned container said dispensing container having a slot in one end thereof and being slidable with relation to said other containers and means extending into said opening in the bottom of a dispensing container to eject articles from said dispensing container through said slot in the end thereof.

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