Aug. 12, 1930. M. H. CAULFIELD 1,772,625

REDUCING CARTON

Filed Aug. 31, 1928

Fig. 1.

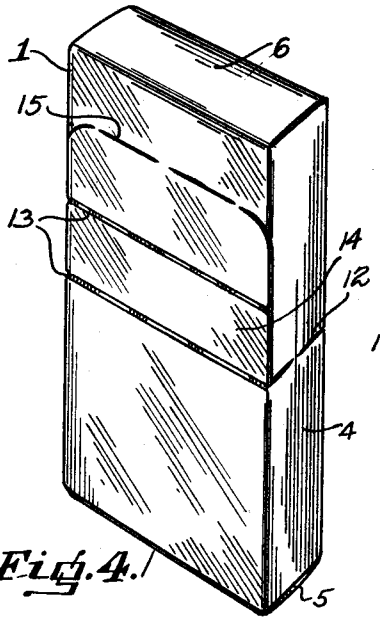


Fig. 2.

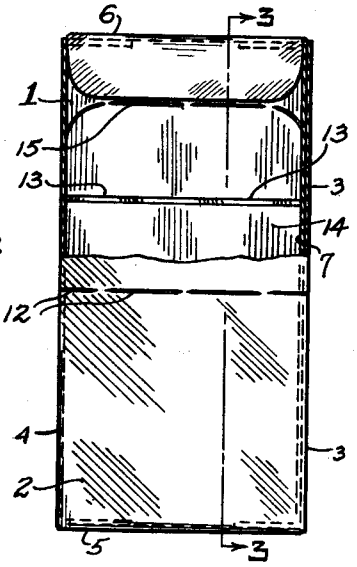


Fig. 3.

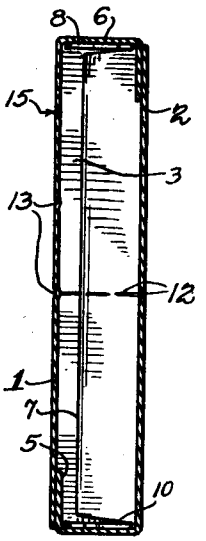


Fig. 4.

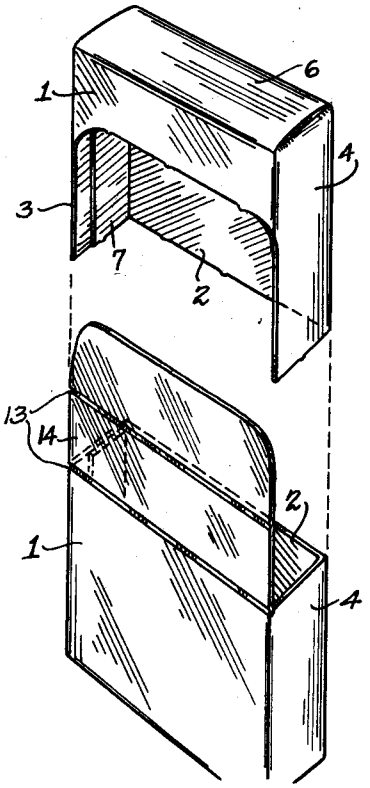


Fig. 5.

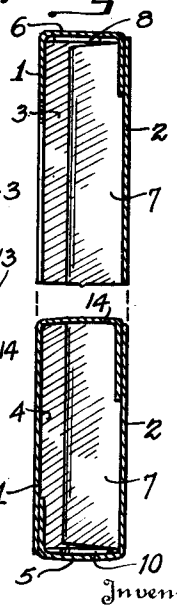
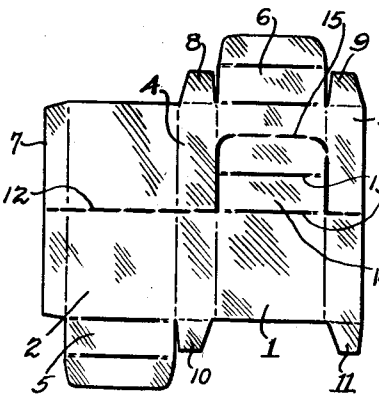


Fig. 6.



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Patented Aug. 12, 1930 1,772,625

UNITED STATES PATENT OFFICE

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REDUCING CARTON

Application filed August 31, 1928. Serial No. 303,283.

This invention relates to improvements in folding and reducing cartons or boxes.

An object of this invention is to provide a box having a plurality of weakening, scoring, or slotted lines positioned thereon in such a manner that the box may be readily separated into sections.

A further object of this invention is to provide a reducing box having a plurality of weakening and slotted lines positioned thereon in such a manner that the carton may be readily separated into sections and a closing flap formed for the separated portions.

Other objects of this invention will appear from the following detailed description of the device and as disclosed in the single sheet of drawings which is herewith made a part of this application.

In the drawings—

Figure 1 represents a perspective view of the reducing carton showing the scoring and slotted lines for dividing the carton into sections.

Figure 2 illustrates a rear elevational view of the reducing carton with a portion broken away in order to disclose the inner surface of the front portion showing the scoring lines for forming the closing flap of the separated section, the weakening lines for the rear portion of the carton being also shown.

Figure 3 represents a sectional view of Figure 2 taken along line 3—3.

Figure 4 illustrates a perspective view of Figure 1, disclosing the reducing carton separated along the weakening, scoring, and slotted lines, thereby forming a flap for closing the separated section.

Figure 5 represents a vertical sectional view of the carton separated into sections, and disclosing the lower section having its upper end closed off by the newly formed flap.

Figure 6 illustrates a plan view of the single piece of material from which the carton may be made, disclosing the weakening, scoring and slotted lines for separating the carton into sections.

As one modification of the reducing carton, according to this invention, it is preferred that a carton or box be formed, made of any suitable material such as cardboard or the like, from a single piece of material, as disclosed in Figure 6, although the box may be made in any other manner without affecting the merits of this invention, which primarily is directed to a novel means of separating or reducing the container in size as may be desired.

The box may be used conveniently for cough drops or other similar purpose. It is formed having a front portion 1, a rear portion 2, side sections 3 and 4, and closing flap members 5 and 6, suitable tab sections 7, 8, 9, 10 and 11 being provided for properly fastening the different surfaces of the box into finished position.

In order to provide an efficient and speedy means for separating the carton into sections whenever desired, suitable weakening or score lines 12 are located peripherally around the carton along the surfaces 2, 3, 4, and 7, the front surface of the carton being provided with weakening lines 13 for forming a flap portion 14, similar to the flap elements 5 and 6, the side edges of the flap member 14 being arranged in slotted relationship to the main body portion of the carton in order that the flap 14 may be readily separated along its slotted line 15 whenever the carton is separated along the slotted score line 12.

This invention provides an efficient carton or box which may be readily reduced in size when desired or whenever the contents of the box have been eliminated to a point where the original size of the container is no longer required. By merely inserting a finger within the closing flap 14 and giving a twist to the carton, the upper portion may be quickly detached from the lower portion of the container, with the result that a flap member 14 will be retained for the purpose of closing the open end of the separated section, thereby providing a convenient reducing carton which may be utilized for many purposes, and making it unnecessary to carry around in the pockets or otherwise a box entirely too large for holding the contents thereof. The carton can be used for candies, cough drops, matches, or any other article.

It will be understood that many changes

and modifications may be made in the form of embodiment of the invention within the scope of the following claims without departing from the spirit thereof.

What I claim is:

1. A reducing carton comprising a rectangular tubular box having an end closure, and having its front face formed with a tongue extending there across, said tongue being breakably united to said front face except across its base portion, so as to be depressible inwardly at its top and sides, the other three faces of the box being breakably weakened in the plane of the base of said tongue.

2. A reducing carton comprising a rectangular tubular box having an end closure and having its front face formed with a tongue extending there across and cross-scored to form when folded, a top and tuck flap for the reduced carton, said tongue being breakably united to said front face, except across its base portion so as to be depressible inwardly at its top and sides, the other three faces of the box being breakably weakened in the plane of the base of said tongue.

3. A reducing carton comprising a rectangular tubular box having an end closure and having its front face formed with a tongue extending there across, said tongue being breakably united to said front face at its top and severed from said box at its sides so as to be depressible inwardly at its top and sides, the other three faces of the box being breakably weakened in the plane of the base of the tongue.

In testimony whereof I affix my signature.

MERVILLE H. CAULFIELD.