

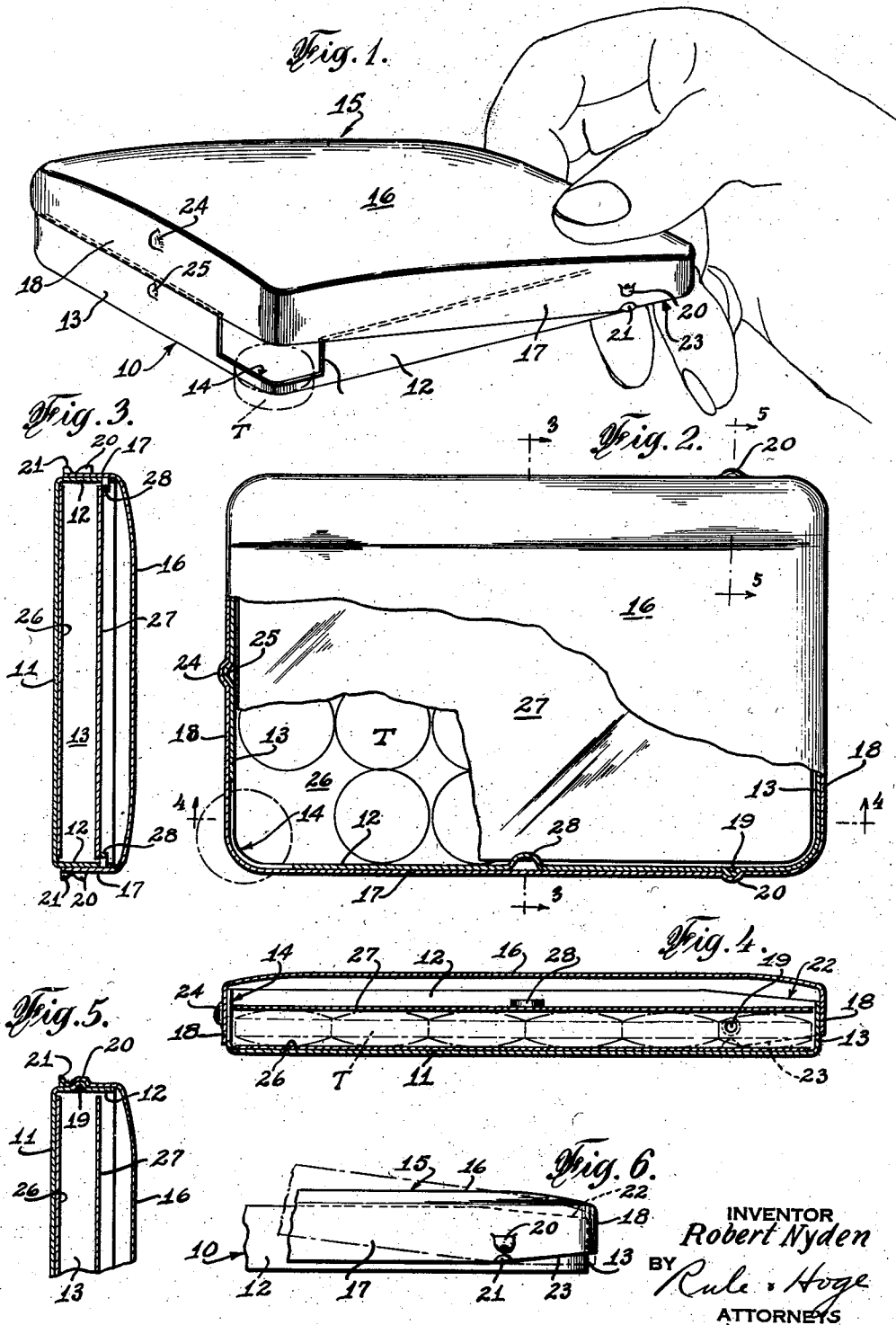
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SHEET METAL CONTAINER

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SHEET METAL CONTAINER

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2 Claims. (Cl. 206—42)

The improved sheet metal container comprising the present invention is primarily adapted for use in the dispensing of medicinal products in tablet or powder form.

Heretofore, various dispensing containers of this type have been in general use, some consisting of a cover having a dispensing opening in the top thereof together with a rotary cut-off for the opening formed on the body portion of the container. Access to the interior of the container for dispensing purposes is obtained by turning the cover and body portion of the container relative to each other. Other dispensing containers consist of a body portion having a dispensing opening in the side wall thereof, together with a rotary cut-off for the opening formed on the depending cover flange. Similarly, the dispensing opening is uncovered by turning the cover and body portion relative to each other. Still other dispensing containers have a dispensing opening in the cover or elsewhere that is covered and uncovered by an independent rotary or sliding cut-off device. In all of these types of dispensing containers it is necessary to utilize both hands to actuate the rotary or sliding cut-off device as the case may be.

The principal object of the present invention is to provide an improved dispensing container having a dispensing opening associated therewith, together with a sliding cut-off therefor which may be conveniently actuated by manipulation of the container in one hand.

In carrying out the above mentioned object, the invention briefly contemplates the provision of a container body having a cover hinged thereto for rocking movement thereon from open to closed position and vice versa in such a manner that the rocking action may be conveniently effected by applying pressure to the container with one hand. A dispensing opening provided in the side wall of the container is adapted to be covered and uncovered by such rocking movement of the cover.

Other objects of the invention, not at this time enumerated, will become apparent hereinafter.

In the drawing:

Fig. 1 is a perspective view of a container constructed in accordance with the principles of the present invention and illustrating the manner in which the dispensing opening therein is opened.

Fig. 2 is a plan view of the closed container, certain parts being broken away to reveal the nature of the invention;

Fig. 3 is a sectional view taken substantially along the line 3—3 of Fig. 2;

Fig. 4 is a sectional view taken substantially along the line 4—4 of Fig. 2;

Fig. 5 is a sectional view taken substantially along the line 5—5 of Fig. 2; and

Fig. 6 is a fragmentary side elevational view of the container showing the pivotal support for the cover on the body portion thereof.

In the drawing, a container body 10 of shallow and generally rectangular form and having rounded corners is provided with a bottom 11 having continuous upstanding side and end walls 12 and 13 respectively. One front corner of the body 10 is cut away to an extent less than the full height of the container body to provide a dispensing opening 14.

A cover 15 conforming generally in configuration to that of the body 10, and including a top 16 and depending side and end flanges 17 and 18 is pivoted for rocking movement to the body 10, the pivotal connection between the two parts consisting of registering protuberances 19 and 20 formed in alignment in the side walls and side flanges of the body 10 and cover 15 respectively. The protuberances 19 and 20 are spaced inwardly from the rear end wall 13 and end flange 18 a short distance. Outwardly pressed guides 21 are formed at the lower edge of the cover side flanges 17 in the immediate vicinity of the protuberances 20 to facilitate guiding the protuberances 19 into register with the protuberances 20 in the assembly of the cover 15 on the body 10.

The overall height of the side and end flanges 17 and 18 is less than that of the side and end walls 12 and 13 so that no sharp edges are presented at the bottom of the container when the latter is closed. Cut-away portions 22 at the upper edges of the side walls 12 and similar cut-away portions 23 at the lower edges of the side flanges 17 at the rear of the container provide clearances in order that the cover may be rocked from closed to open position on the body 10.

Locking protuberances 24 and 25 formed on the front cover end flange 18 and front end wall 13 respectively serve to yieldingly maintain the cover closed on the body.

The height of the container is somewhat greater than the thickness of the tablets T adapted to be contained therein. The tablets T are insulated from the bottom 11 by a sheet of paper 26 or other lining material. Similarly, a second sheet of lining material 27 insulates the tablets T from the top 16 and is held in contact with the upper surfaces of the tablets by inwardly pressed retaining lugs 28 formed at the upper edge of the side walls 12.

It is to be noted that in the closed position of the container the opening 14 is covered by one corner where the side and end flanges 17 and 18 meet. In the open position of the container as shown in Fig. 1, the opening 14 is uncovered and a slot is formed of sufficient width to permit the tablets to be poured from the container. Opening of the container is effected by applying pressure to the container as shown in Fig. 1 at the rear thereof.

Modifications may be resorted to within the spirit and scope of the appended claims.

I claim:

1. In a sheet metal box, a body of angular form arranged with a vertical side wall having a cut-out corner portion at one side of the transverse center of the body, and a correspondingly shaped cover having a depending flange to embrace the side wall of the body pivotally supported at opposite portions of the flange by the side wall of the body to have rocking movement on an axis extending transversely of the body, said cover flange and the side wall of the body intermediate and at the side of the pivot support of the cover opposite the cut-out corner portion of the side wall of the body being cut away, and the cover flange adapted to cover the cut-out portion of the body wall in the normal position of the cover on the body and uncover said cut-out portion of the body by a rocking movement of the cover imparted thereto by a pressure applied to the cover at the side of the pivotal support thereof arranged

with the cut-away flange portion, and said cut-away portions of the cover flange and the side wall of the body arranged to limit said rocking movement of the cover to uncover the cut-out portion of the side wall of the body without uncovering the box body.

2. In a sheet metal box, a body having a vertical side wall and a flanged cover, the side wall of the body and the cover flange at one side of the transverse center thereof being arranged with laterally offset portions adapted to be interengaged to support the cover to have pivotal rocking movement on the side wall of the body, the marginal portions of the cover flange and the side wall of the body nearer and intermediate the pivot support of the cover being cut away and the side wall of the body opposite the cut-away portion having a cut-out portion of predetermined width, said cover flange in the normal position of the cover on the box body covering the cut-out portion of the body wall and adapted to uncover said cut-out portion of the body wall by a rocking movement imparted to the cover by pressure applied to the portion of the cover with the cut-away flange portion, and said cut-away portions of the cover flange and side wall of the body arranged to limit said rocking movement of the cover to uncover the cut-out portion in the side wall of the body and maintain the box opening covered in all positions of the cover.

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