Mar. 20, 1923. 1,448,894

R. WINSHIP

DISCHARGE FOR CONTAINERS

Filed Mar. 5, 1919

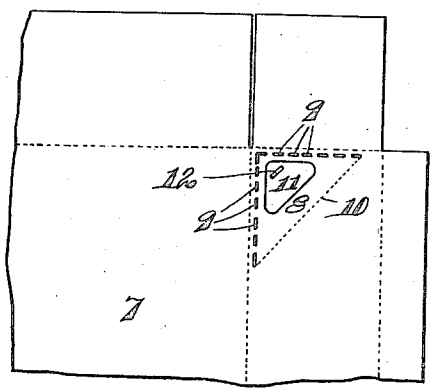


Fig. 3.

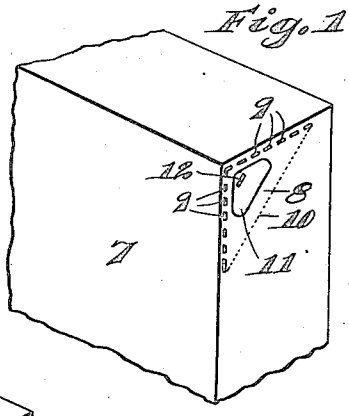


Fig. 1.

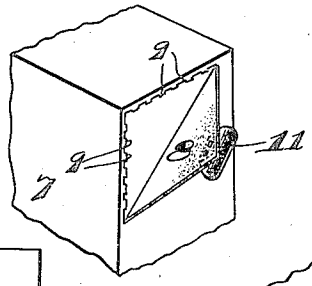


Fig. 2.

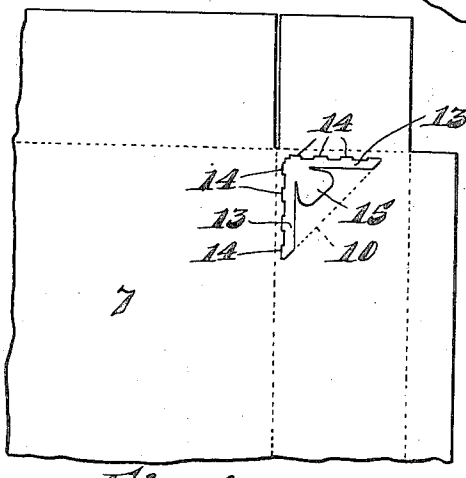


Fig. 6.

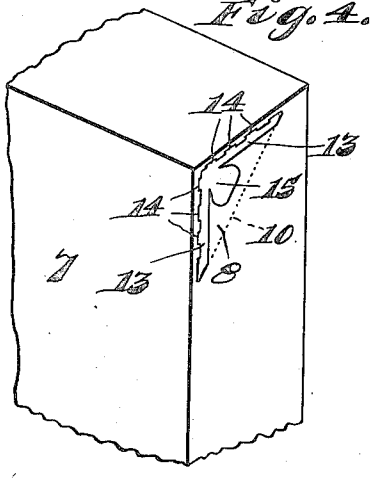


Fig. 4.

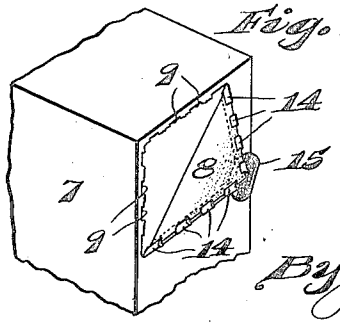


Fig. 5.

Witnesses:
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UNITED STATES PATENT OFFICE.

ROSS WINSHIP, OF CHICAGO, ILLINOIS.

DISCHARGE FOR CONTAINERS.

Application filed March 5, 1919. Serial No. 280,799.

To all whom it may concern:

Be it known that I, Ross WINSHIP, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Discharges for Containers, of which the following is a specification.

My invention relates to improvements in discharges for containers, and has for its object the provision of an improved construction of this character by means of which the contents of a paper box may be readily discharged.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which,

Fig. 1, is a perspective view of one corner of a paste-board box equipped with a discharge embodying the invention,

Fig. 2, a similar view, showing the discharge opened,

Fig. 3, a view of a portion of the blank from which the paper box is made and illustrating the discharge as formed thereon,

Figs. 4, 5 and 6, are similar views of a slightly modified form of construction.

The form of construction illustrated in Figs. 1, 2 and 3, comprises an ordinary rectangular paper box 7 having a triangular discharge portion 8 formed in a wall thereof, as indicated. The triangular discharge portion 8 is defined by two lines of slits 9 and a creased line 10 defining a right-angled triangular portion positioned adjacent one corner of a box with the lines 9 of weakened union parallel with the edges of the box. A finger piece 11, in the form of a triangular piece of tough paper, or the like, is secured to the outer side of the portion 8 by means of a staple or wire stitch 12, as shown. The triangular portion 8 is formed by the die by means of which the box blank is given its shape, as will be readily understood by those skilled in this art, and the finger piece 11 is attached to said blank while in flat condition. When the box is made up, the blank is so manipulated as to bring the finger piece 11 on the outer side of the box. When it is desired to discharge the contents of the box, all that is necessary is to grasp the finger piece 11 and by exerting outward force thereon, the lines of weakened union 9 are ruptured, permitting of outward bending of the triangular flap 8 thus formed, which thus forms a discharge opening in the corner of the box and constitutes a spout to facilitate the pouring out of the contents of the box.

The form of construction illustrated in Figs. 4, 5 and 6 is in the main the same as that already described, except that a substantially V-shaped metallic clip 13 is secured along the edges of the portion 8 by means of tangs 14 thereon, driven through the material of the box 7 and forming the lines 9 of weakened union. This metallic clip is also provided with an integral finger piece 15, which may be bent outwardly, as shown, and utilized for rupturing the wall of the box along the lines 9 to form a discharge opening or spout, as indicated in Fig. 5.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. The combination with a container of a clip having lines of tangs extending along opposite corresponding edges thereof adapted to be driven through one of the walls of the container to form lines of weakened union whereby a flap is formed by rupturing said wall along the lines of weakened union.

2. The combination with a container, of a triangular metallic clip having lines of tongs extending along two edges thereof, said tongs being driven through the wall of said container to form lines of weakened union to form a flap therein, there being a diagonally extending crease line connecting the ends of said clip for bending said flap, substantially as described.

3. The combination with a container, of a discharge therefor, said discharge comprising an integral triangular portion of a wall thereof, having lines of weakened union therewith extending along two sides of said

triangular portion, the remaining side of said triangular portion being creased for bending; and a triangularly shaped flexible finger piece mounted on said wall portion defined by said lines of weakened union facilitating rupture of said wall along said lines, substantially as described.

4. The combination with a container, of a metallic clip having cooperating lines of tangs thereon driven through the wall of said container to perforate said wall and form cooperating lines of weakened union to form a flap therein, substantially as described.

5. The combination with a container, of a triangular metallic clip having lines of tangs extending along two edges thereof, said tangs being driven through the wall of said container to form lines of weakened union, whereby a flap is formed by rupturing said wall along said lines of weakened union, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROSS WINSHIP.

Witnesses:
JOSHUA R. H. POTTS,
HELEN F. LILLIS.