Sept. 10, 1940. G. B. BEAMAN 2,214,220

CONTAINER

Filed Nov. 29, 1937

Fig. 1.

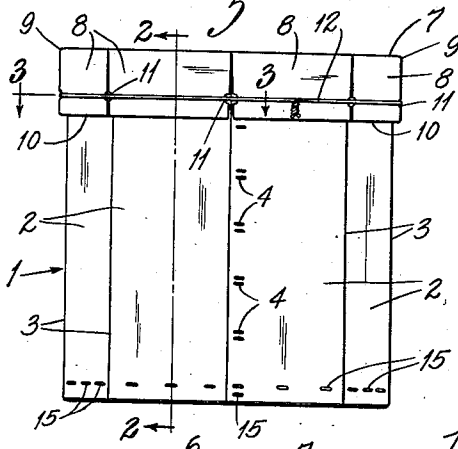


Fig. 5.

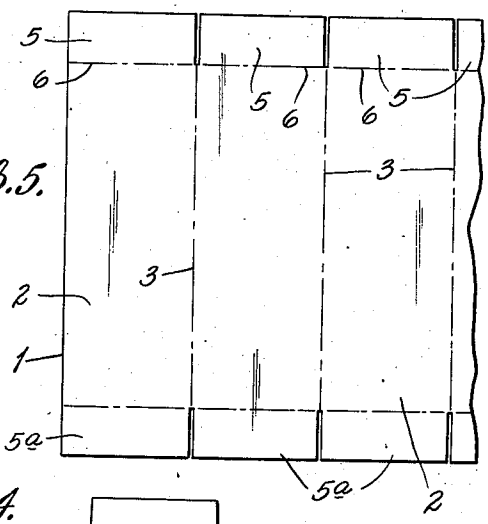


Fig. 2.

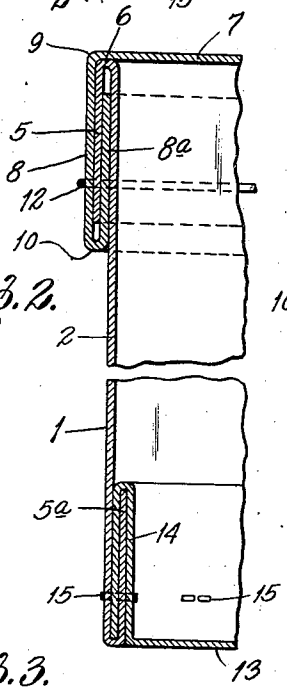


Fig. 4.

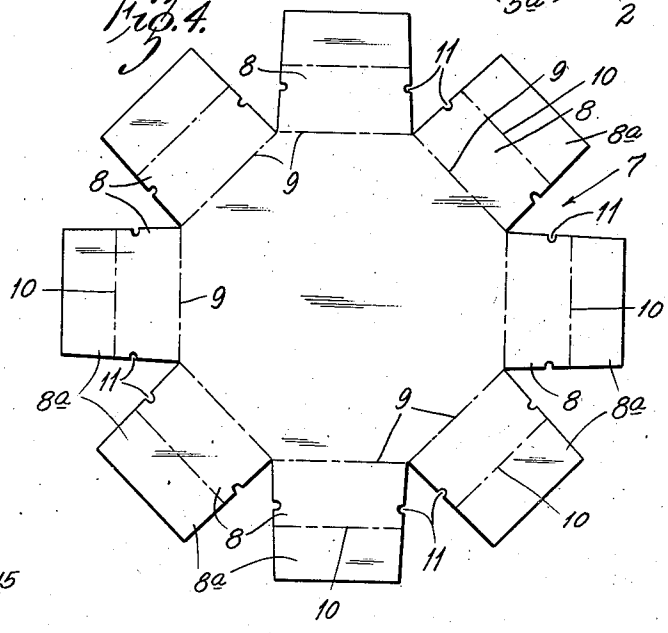
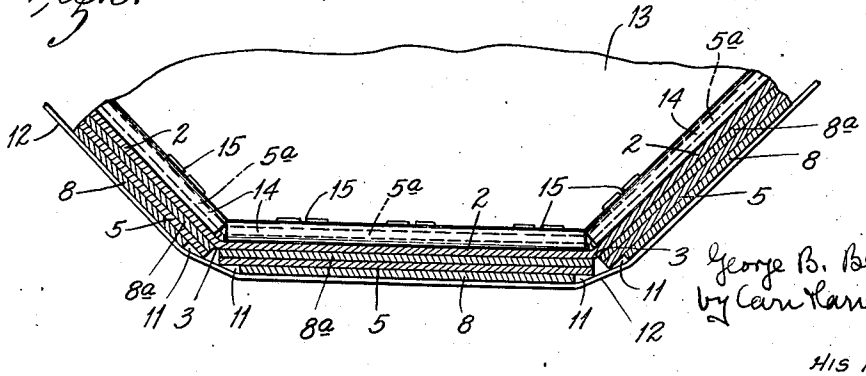


Fig. 3.



INVENTOR:
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Patented Sept. 10, 1940

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UNITED STATES PATENT OFFICE

2,214,220

CONTAINER

George B. Beaman, Jersey City, N. J., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Application November 29, 1937, Serial No. 177,003

2 Claims. (Cl. 229—45)

My invention relates to containers, particularly to containers made of paper, fiber board or the like and having six or more sides. The invention has as its principal object a container of this type which is quite strong and which is adapted to contain a heavy shiftable lading. Other objects and advantages appear hereinafter.

The invention consists principally in a paneled container having outturned flaps at the end of each panel and a cover therefor having downturned flaps with inturned end portions underlapping said outturned panel flaps, said cover flaps being notched to locate a securing band extending therearound. The invention further consists in the container and in the parts and combinations and arrangements of parts hereinafter described and claimed.

In the accompanying drawing,

Fig. 1 is a side elevation of a container embodying my invention;

Fig. 2 is a partial sectional view on the line 2—2 in Fig. 1;

Fig. 3 is a horizontal sectional view on the line 3—3 in Fig. 1;

Fig. 4 is a plan view of the cover blank; and

Fig. 5 is a partial elevation of the body blank.

The container body 1 is made of paper, fiber board or other suitable material, preferably of a laminated or multi-ply paper material. The body 1 is divided into panels 2 by means of creases or scores 3 extending longitudinally of the body. The body may be made from a flat blank and the overlapping edges of the material secured together by staples 4 or otherwise.

Each panel 2 has at one end a projecting flap 5, a score line 6 facilitating folding of each flap outwardly and downwardly into proximity with the panel 2 to which it is attached. The cover member 7 is of polygonal shape to fit the top of the body member and each side is provided with a projecting flap 8, score lines 9 being provided for facilitating downward bending of said flaps. Said flaps 8 have continuations 8a that are marked off by means of wide scores or creases 10 and constitute locking flaps.

When the cover 7 is placed on the body, its flaps 8 are bent downwardly to engage the body panel flaps and the locking flaps 8a are rebent upwardly so as to lie between the body panels 2 and the body panel flaps 5. The cover flaps 8 are provided with notches 11 in their sides to constitute locating recesses for a securing wire or band 12 extending around the downturned cover flaps. This securing wire may be drawn up tight so as to hold the cover securely in position.

The bottom member may be like the cover in construction, but the drawing illustrates a bottom 13 having upturned flaps 14 inserted into the body and secured to the body panels 2 and inturned lower flaps 5a by staples 15.

The above described container is well adapted for the packaging of all kinds of loose articles, particularly such small articles as powdered materials, cereals, miscellaneous hardware and the like. The interlocking flap construction makes possible the firm mounting of the cap on the body without the use of staples and the like. A simple wire strip serves to hold the several flaps in interlocking engagement. Obviously, numerous changes may be made without departing from the invention and I do not wish to be limited to the precise construction shown.

What I claim is:

1. A multi-sided container comprised of a body bent along crease lines to form a plurality of similar panel sides, a plurality of body flaps each of which corresponds to a panel side and is integrally formed therewith by cutouts extending inwardly of an edge of the body along said crease lines, each of said body flaps being bent outwardly to lie substantially parallel to its panel side; a closure member positioned over an open end of said body and having a plurality of closure flaps integral therewith and corresponding in number to said body flaps, each closure flap being divided into an outer portion which is only of an extent to cover substantially its corresponding body flap, and a rebent portion which lies between said body flap and its side panel, peripherally aligned notches in the adjacent outermost edges of the outer portions of said closure flaps, said notches forming openings in said flaps terminating short of said body, and a band member tightly encircling said flaps and seated in said notches whereby said closure member is locked in a substantially immovable, reenforcing, and dust proof manner to said body.

2. A container having at least five sides comprised of a body bent along crease lines to form a plurality of similar panel sides, a plurality of body flaps each of which corresponds to a panel side and is integrally formed therewith by cutouts extending inwardly of an edge of the body along said crease lines, each of said body flaps being bent outwardly to lie substantially parallel to its panel side; a closure member positioned over an open end of said body and having a plurality of closure flaps integral therewith and corresponding in number to said body flaps, each closure flap being divided into an outer portion

which is only of an extent to cover substantially its corresponding body flap, and a rebent portion which lies between said body flap and its side panel, peripherally aligned notches in the adjacent outermost edges of the outer portions of said closure flaps, said notches forming openings in said flaps terminating short of said body, and a band member tightly encircling said flaps and seated in said notches whereby said closure member is locked in a substantially immovable, reenforcing, and dust proof manner to said body.

GEORGE B. BEAMAN.