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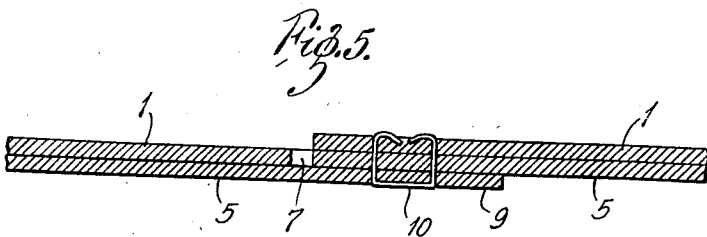
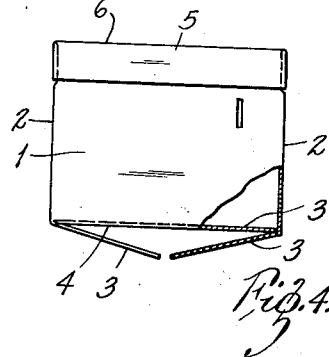
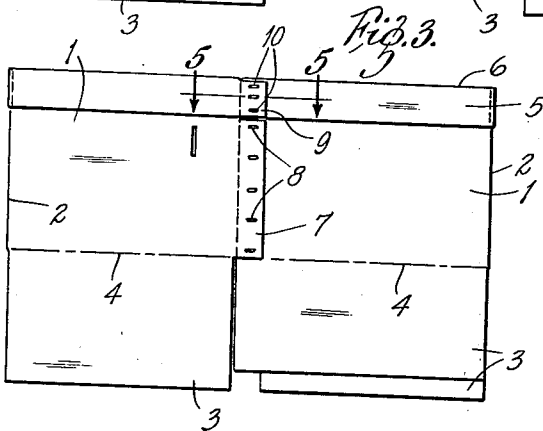
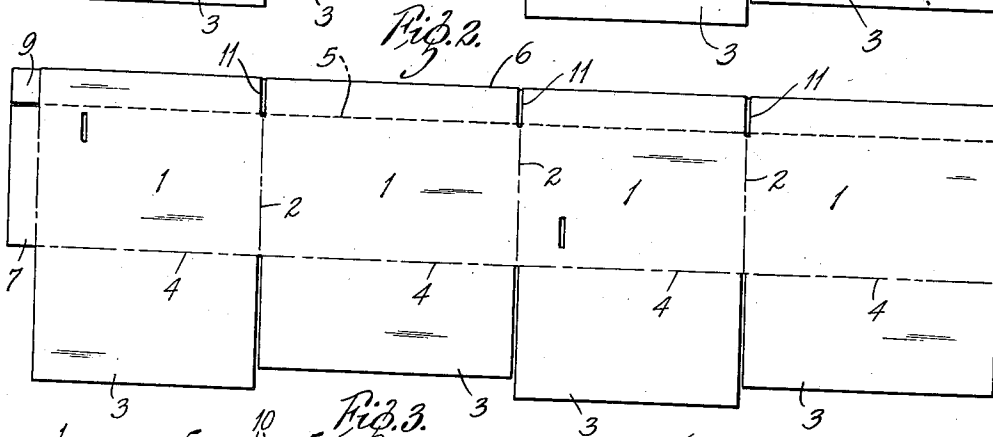
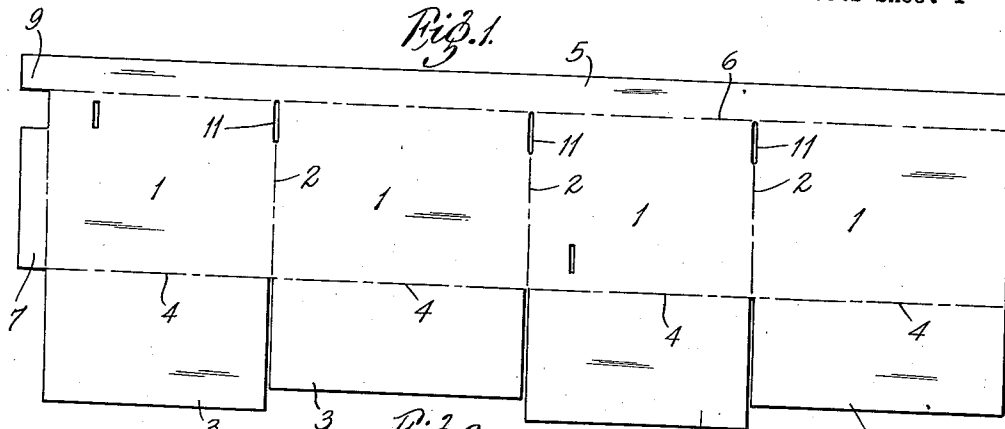
G. B. BEAMAN ET AL

2,220,388

CONTAINER

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2 Sheets-Sheet 1



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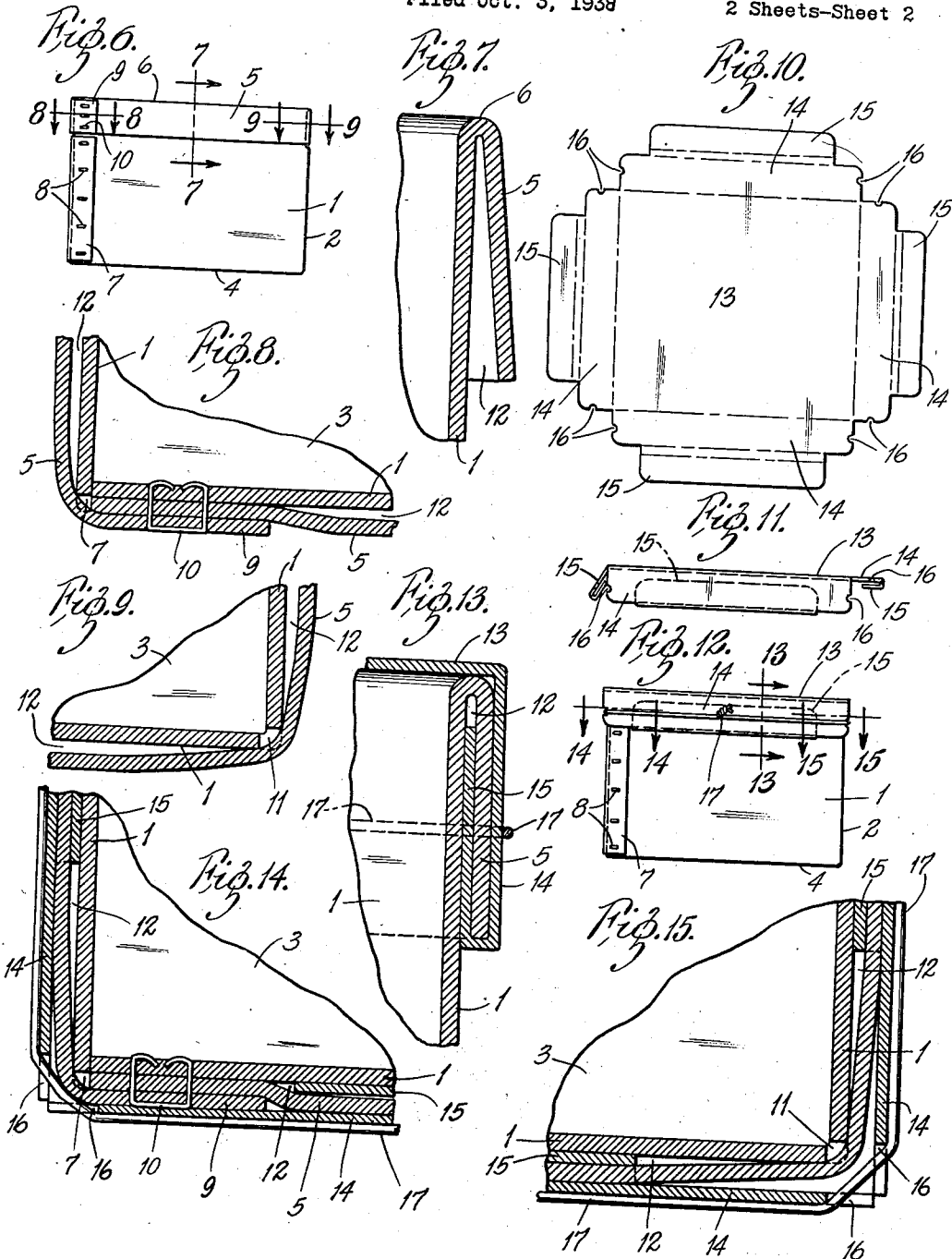
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2 Sheets-Sheet 2



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## UNITED STATES PATENT OFFICE

2,220,388

## CONTAINER

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Application October 3, 1938, Serial No. 232,918

9 Claims. (Cl. 229—37)

Our invention relates to containers, particularly containers of the type wherein the body panels have downturned flanges along their upper edges and the cover member has tuck flaps inserted in the spaces between said flanges and the body panels. The present invention has for its principal object to improve such containers by increasing the strength of the flanges and simplifying the construction thereof. Other objects and advantages will appear hereinafter.

The invention consists principally in providing a continuous upper edge flange instead of the separate flanges heretofore provided and in slotting or otherwise weakening the corners of the box under said flange. The invention further consists in the container and the blank therefor and in the parts and combinations and arrangements of parts hereinafter described and claimed.

In the accompanying drawings,  
Fig. 1 is a plan view of the blank for a container embodying my invention,

Fig. 2 is a plan view showing the upper edge flange turned down against the outer face of the blank,

Fig. 3 is a view of a partly assembled container showing the method of fastening the body of the blank and the ends of the upper edge flange,

Fig. 4 is a side elevation of the assembled container, a lower corner portion thereof being broken away and the bottom members being shown in partially folded condition.

Fig. 5 is a sectional view on an enlarged scale on the line 5—5 in Fig. 3,

Fig. 6 is an elevation of a completely assembled container body,

Fig. 7 is a sectional view on an enlarged scale on the line 7—7 in Fig. 6,

Fig. 8 is a sectional view on an enlarged scale on the line 8—8 in Fig. 6,

Fig. 9 is a sectional view on the line 9—9 in Fig. 6,

Fig. 10 is a view of the cover member in the flat,

Fig. 11 is a side elevation of said cover member, with its different flaps shown in different stages of assembly,

Fig. 12 is an elevation of an assembled container and cover,

Fig. 13 is a sectional view on an enlarged scale on the line 13—13 in Fig. 12,

Fig. 14 is a sectional view on an enlarged scale on the line 14—14 in Fig. 12; and

Fig. 15 is a sectional view on an enlarged scale on the line 15—15 in Fig. 12.

The blank for my container as shown in Figs.

1 and 2, includes side or body panels 1 separated by score lines 2, bottom members 3 projecting from the lower ends of the body panels 1 and separated therefrom by score lines 4 and a continuous upper edge flange 5 integral with the upper edges of the body panels and separated therefrom by a score line 6. One body panel 1 has a side flange 7 projecting therefrom for securing to the panel adjacent to it in the set-up box, as by means of staples 8 and one end of said upper edge flange 5 has a projecting flap 9 for securing to the other end of said flange 5, as by staples 10. The bottom members 3 are folded under in well known manner in the assembled container and are secured together in any suitable way, as by means of adhesive.

The upper edge flange 5 is folded downwardly against the outer faces of the body panels 1. Preferably the joints or corners of the body are slotted underneath the upper edge flange, said slots 11 extending the width of said flange and terminating in the upper ends of the score lines 2. In this way the body of the container may be constricted slightly around the top and the flange 5 brought into tight engagement with the corners of the container, leaving a space 12 between said flange 5 and the body panels 1, between corners.

The cover member for the container includes a body portion 13 fitting the top of the container, downturned flanges 14 of substantially the same width as the upper edge flange 5 of the container and tuck flaps 15 which are rebent upwardly into the said space 12 between the upper edge flange 5 and the container walls 1. Preferably the edges of the top flange 14 are provided with notches 16 to receive a wire 17 or other securing band.

The above described construction provides a continuous upper edge flange which supports and strengthens the top of the container body. A clear space for the tuck flaps is formed by the slotting of the corners of the body and the constriction of the top of the body by the upper edge flange.

Obviously, numerous changes may be made without departing from the invention and we do not wish to be limited to the precise construction shown.

What we claim is:

1. A container blank comprising body wall panels, scored joints therebetween and a continuous flange panel extending along the upper edges of said wall panels, said blank having slits in the upper portions of the score lines between

the panels and adjacent to said continuous flange.

2. A container blank comprising body wall panels and a continuous flange panel extending  
5 along the upper edges of said side panels, said blank having slits between panels extending from said flange panel a distance substantially equal to the width of said flange panel.

3. A container blank comprising body wall  
10 panels, scored joints therebetween and a continuous flange panel extending along the upper edges of said side panels, said blank having slits between panels extending from said flange panel a distance substantially equal to the width of  
15 said flange panel.

4. A container blank comprising body panels separated by score lines, a continuous flange panel integral with the upper edges of said body panels, a flange projecting from the side of one  
20 of said wall panels for securing to another wall panel, and said upper edge flange having a projecting flap for securing to the other end of said edge flange, said blank having slots between  
25 panels extending from said flange panel a distance substantially equal to the width of said upper edge flange panel and ending in the upper ends of said score lines.

5. A container blank comprising body panels  
30 separated by score lines, a continuous flange panel integral with the upper edges of said body panels, a flange projecting from the side of one of said wall panels for securing to another wall panel, said flange stopping short of the top of the body  
35 of the blank and said upper edge flange having a projecting flap for securing to the other end of said edge flange, said blank having slots between panels extending from said flange panel a distance substantially equal to the width of said

upper edge flange panel and ending in the upper ends of said score lines.

6. A container comprising a one-piece body with sides defined by score lines and a continuous flange integral with the upper edges of said  
5 sides and bent downwardly against the sides of the body, said body being slitted between the portions of the sides underlying said flange.

7. A container comprising a one-piece body with sides defined by score lines and a continuous flange integral with the upper edges of said  
10 sides and bent downwardly against the sides of the body, said body being slitted along said score lines between sides underlying said flange whereby said flange may be held tightly against the  
15 corners of said body with spaces between it and the sides of said body.

8. A container comprising a one-piece body with its marginal portions overlapping and secured together, and with sides defined by score  
20 lines and a continuous flange integral with the upper edges of said sides and bent downwardly against the sides of the body, said body being slitted between sides underneath said flange and  
25 said flange being held tightly against the sides of said body and having its marginal ends secured together.

9. A container comprising a one-piece body with sides defined by score lines along which  
30 said body is folded to form the corners of the box and a continuous flange integral with the upper edges of said sides and bent downwardly against said sides of the set up box, the free ends of said flange being secured together and  
35 the corners of the body underlying said flange being weakened to permit them to yield to accommodate said flange.

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