

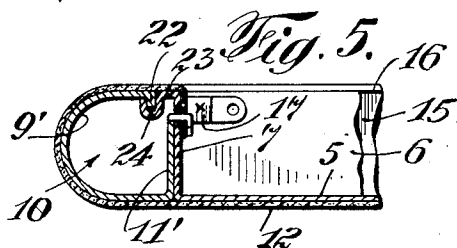
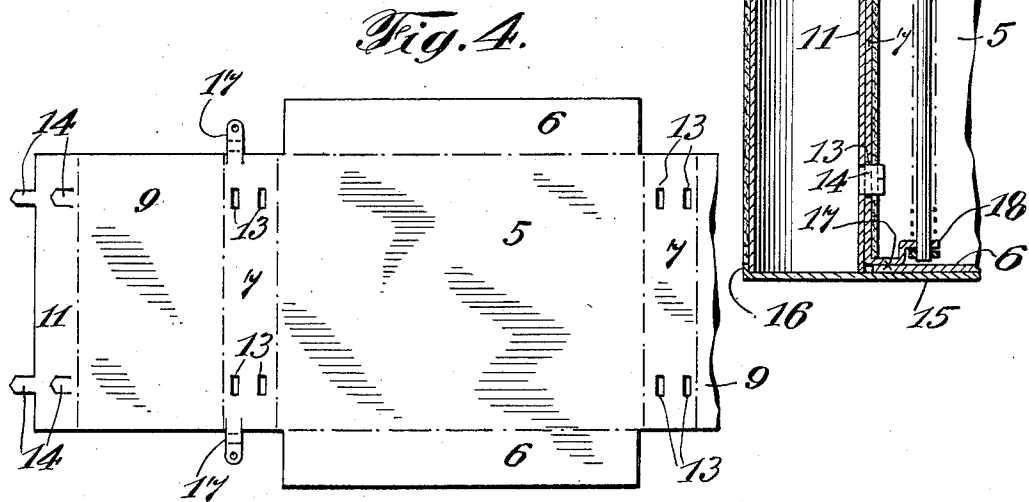
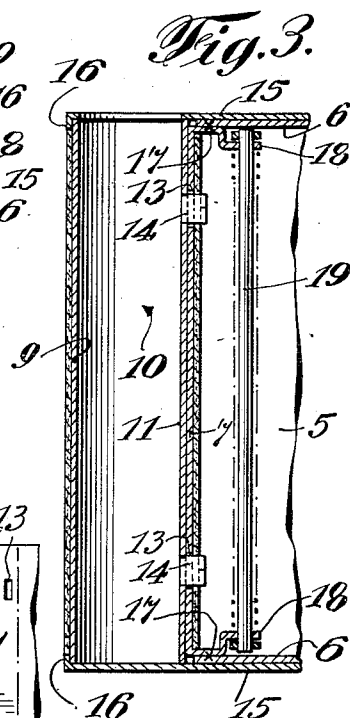
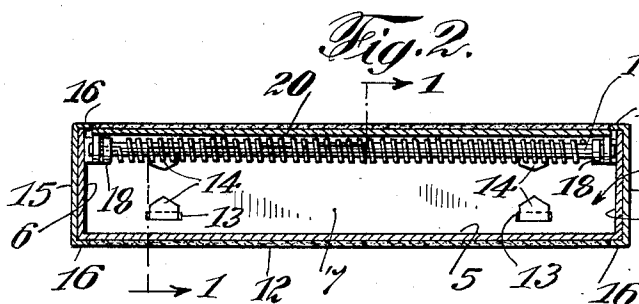
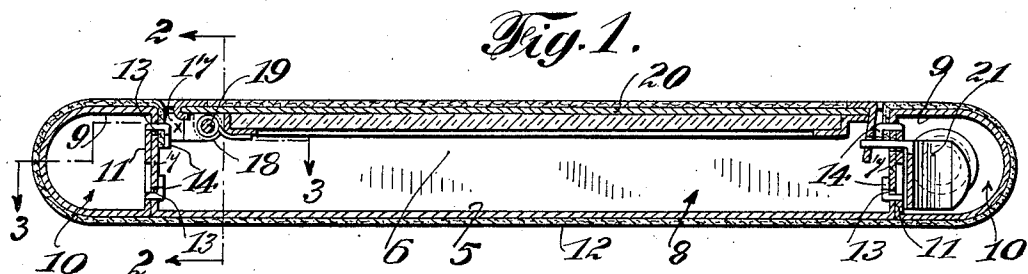
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2,010,923

CONTAINER STRUCTURE

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CONTAINER STRUCTURE

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8 Claims. (Cl. 220—20)

This invention relates to containers and has for its general object and purpose to simplify and improve the construction of the case or container disclosed in Patent No. 1,750,984, issued to David H. Zell on March 18, 1930.

My invention is essentially characterized by the formation of the container structure from a single metal sheet, providing a main compartment and supplemental compartments exterior to said main compartment and completely segregated therefrom.

Another object of the invention resides in the provision of a supplemental compartment having its wall joined along one edge thereof to an end wall of the main compartment at the open side of the latter, an ornamental cover sheet extending over the wall of said supplemental compartment, and means integrally formed on another edge of the wall of the latter compartment for mechanically interlocking the same with said end wall of the main compartment and one end of said cover sheet, to retain the latter under tension in its applied position.

A further object is to provide a case of container body having side and end walls, with arms or extensions integral with one of said walls, extending inwardly along adjacent walls of said body and permanently secured thereto, said arms providing supporting means for a door or closure for the open side of the case.

The present invention provides an article of this kind which can be fabricated at low cost and advantageously utilized as a vanity case and for various analogous purposes.

With the above and other objects in view, the invention consists in the improved container structure and in the form, construction and relative arrangement of its several parts, as will hereafter be more fully described, illustrated in the accompanying drawing, and subsequently incorporated in the subjoined claims.

In the drawing wherein I have disclosed several simple and practical embodiments of my present improvements, and in which similar reference characters designate corresponding parts throughout the several views:

Figure 1 is a longitudinal sectional view on an enlarged scale, taken on the line 1—1 of Fig. 2, and illustrating a preferred embodiment of my invention.

Fig. 2 is a transverse section taken on the line 2—2 of Fig. 1.

Fig. 3 is a fragmentary horizontal section taken on the line 3—3 of Fig. 1.

Fig. 4 is a fragmentary plan view of the sheet metal blank, and

Fig. 5 is a fragmentary longitudinal section illustrating a slightly modified construction.

Referring in detail to the drawing, the body of the container or case is formed from a single sheet metal blank, die cut or stamped as seen in Fig. 4, to provide a bottom wall 5, side walls 6, and end walls 7. These walls form the main elongated rectangular compartment 8 of the container.

The end walls 7 integrally connect the bottom wall 5 with the longitudinal extensions 9, projecting from said end walls, exteriorly of the main compartment at the open side of the latter. These extensions are bent to extend inwardly in the plane of the bottom wall 5 and form supplemental compartments 10 at each end of the container. The end portions 11 of said extensions are bent to extend at right angles to said bottom wall and in close contact with the outer faces of the end walls 7.

The outer surfaces of the bottom wall 5 of the main compartment and the walls of the supplemental compartments are covered by a flexible sheet of ornamental material 12, the ends of which are extended inwardly upon the inner faces of the end walls 7.

It is an important feature of my invention to provide simple and easily applied means for mechanically securing or interlocking the ends of this ornamental sheet and the end portions 11 of the walls of the supplemental compartments to the walls 7 of the main compartment of the container. To this end I provide the walls 7, near each end thereof, with spaced apertures 13, to receive the bendable tongues 14, integrally formed with the portions 11 of the extensions 9. After these extensions have been bent to form the supplemental compartments, the tongues 14 are projected inwardly through the respective apertures 13. Side plates 15, having narrow marginal flanges 16, are then applied against the opposite side walls 6 of the case body, said plates extending over the ends of the supplemental compartments 10, and the flanges 16 thereof projecting inwardly over the walls of said compartments and the main compartment 8, as in the Zell patent, above referred to. These ornamental side plates may be detachably interlocked with the walls 6 of the case body in the manner disclosed in said patent.

The ornamental facing or cover sheet 12 is now applied and drawn tightly over the walls of the compartments 8 and 10, between the flanges

16, and the inwardly extended ends of this cover are pierced by one of the tongues 14 in each pair near the open side of the compartment 8. The ends of these tongues are then bent inwardly 5 and tightly clinched upon the cover material. The ends of the other tongues 14, near the bottom wall 5, are then bent outwardly and tightly clinched against the inner faces of the end walls 7. In this manner the ends 11 of the compartment walls 9 are rigidly fixed to the end walls of the main compartment and the flexible cover 12 also securely held under tension in its applied position. Thus I am enabled to eliminate the additional frame within the main compartment, as shown in the Zell patent, and thereby secure greater useful capacity of said compartment without increasing the case dimensions.

One of the end walls 7 is provided at its opposite ends with the integral arms or extensions 17, bent at right angles to said wall to extend inwardly along the opposite side walls 6 of the case body. These arms are preferably welded or otherwise permanently secured to the walls 6 and have their ends offset, as at 18, and apertured to receive the ends of the hinge rod 19 for the door or closure 20.

This door and the latch means 21 therefor, which is housed in one of the supplemental compartments 10, may be of the same construction as that disclosed in the issued patent above referred to. When the device is used as a vanity case, a lip stick may be removably contained in the other supplemental compartment 10, while other cosmetics are suitably arranged and confined in the main compartment 8.

In Fig. 5 of the drawing I have illustrated a slight modification wherein each of the supplemental compartments 10 is formed from a separate metal sheet 9', one end portion 11' of which is engaged with the wall 7 of compartment 8, while the other end thereof is formed with a narrow flange 22. The upper end of the wall 7 is flanged outwardly, as at 23, the edge of said flange being bent to provide a continuous upwardly opening channel 24 which receives the flange 22, and upon which the walls of said channel are tightly clinched. The part 11' is provided with bendable tongues for securing the same, together with the end of the flexible covering sheet, to the wall 7 in the manner previously described.

From the above description, considered in connection with the accompanying drawing, it will be seen that I have devised a case or container structure which can be fabricated at very low cost and utilized for many different purposes. While I have shown a case having a general contour simulating that of the conventional Kodak camera, as in the issued patent, it will be understood that this is not material, and the walls of the compartments 10 may be otherwise shaped or formed. Also the case structure may be produced in various sizes, with the compartments 8 and 10 of other relative proportions than that indicated in the drawing.

Therefore, while I have herein disclosed a preferred practical embodiment of my invention, it will be understood that the essential features thereof may also be incorporated in other alternative structural forms. Accordingly I reserve the privilege of resorting to such legitimate modifications of the form, construction and relative arrangement of the various elements as may be fairly considered within the spirit and scope of the appended claims.

What I claim is:

1. A container comprising a sheet metal body plate having side and end walls forming a main compartment, and a longitudinally projecting wall joined to each of said end walls at the open side of said compartment, bent to form an end compartment externally of said main compartment and secured at its free end to said end wall of the latter compartment.

2. A container comprising a sheet metal body plate having side and end walls forming a main compartment, and a longitudinally projecting wall joined to each of said end walls at the open side of said compartment, bent to form an end compartment externally of said main compartment, said end wall of the main compartment and the free end of said projecting wall having coacting means for securing the latter in fixed relation to said end wall.

3. A container comprising a sheet metal body plate bent to provide bottom, side and end walls forming a main compartment, and a longitudinal extension integral with each of said end walls at the open side of said compartment forming a return bend, secured at its free end to the outer face of the end wall of the main compartment, to thereby provide an end compartment externally of said main compartment.

4. A container of the character described comprising a single blank of sheet metal, having parts thereof bent to provide a main compartment and a supplemental compartment at each end of said main compartment, a flexible sheet of ornamental material covering the external surfaces of said compartments, and means integrally formed with said blank, securing adjacent walls of the main and supplemental compartments in fixed relation and also coacting with said flexible material to retain the latter under tension in its applied position.

5. A container comprising a sheet metal body plate bent to provide bottom, side and end walls forming a main compartment, and a longitudinal extension integral with each of said end walls at the open side of said compartment forming a return bend to provide an end compartment externally of said main compartment, an ornamental sheet covering the walls of said end compartments and the bottom wall of said main compartment, and a common means securing the free end of each of said return bends and one end of said covering sheet to one of said end walls of the main compartment.

6. A container comprising a sheet metal body plate bent to provide bottom, side and end walls forming a main compartment, a separate end compartment exteriorly of said main compartment having a sheet metal body wall connected at one of its ends to one of the end walls of the main compartment, the other end of said wall of the end compartment extending upon the outer face of said end wall of the main compartment, an ornamental sheet covering said wall of the end compartment and extending upon the inner face of said end wall of the main compartment, and a common means securing said end of the covering sheet and the latter end of the wall of the end compartment to the wall of the main compartment.

7. A container having a body formed from a sheet metal blank, having parts relatively bent to provide bottom, side and end walls forming a main compartment, one of the end walls having an outwardly extending flange continuous along the edge thereof at the open side of said com-

partment and provided with a longitudinal channel, a separate metal sheet forming a supplemental compartment at one end of the main compartment exteriorly thereof, said metal sheet
5 having an angularly projecting flange along one end edge thereof confined in said channel, and means on the opposite end edge of said metal sheet for interlocking the same with the end wall of said main compartment.

10 8. A container comprising a body of sheet ma-

terial having marginal walls forming a main compartment open at one side; and a laterally projecting wall joined to one of said marginal walls at the open side of said main compartment, bent
5 to form a supplemental compartment externally of said main compartment and having its free end angularly bent and extended in parallel relation to said marginal wall of the latter compartment and secured to the outer face thereof.

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