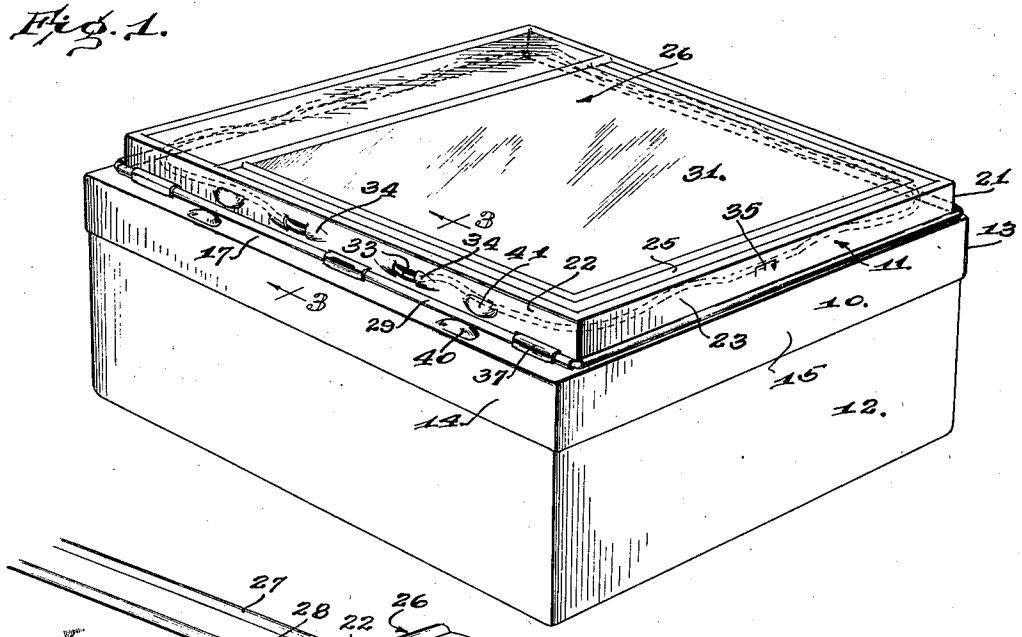
July 2, 1940. H. HERMANI 2,206,013

DISPLAY COVER FOR BOXES

Filed July 10, 1937

Fig. 1.



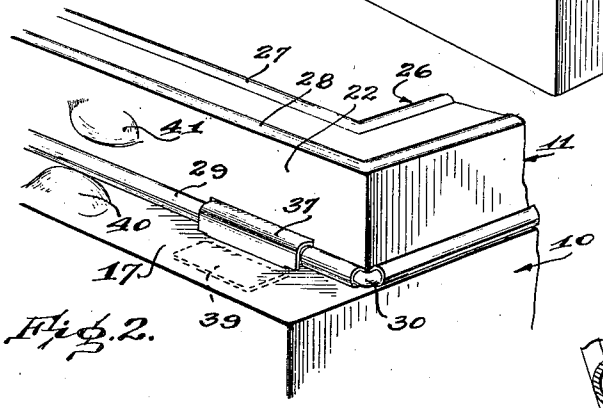
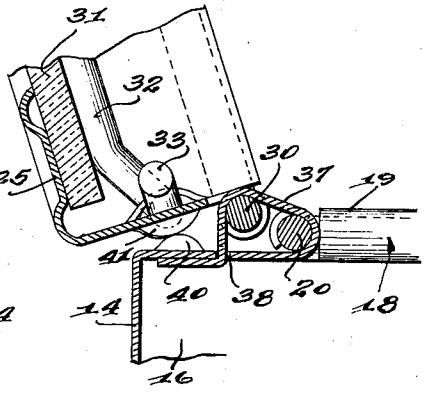


Fig. 2.

Fig. 4.



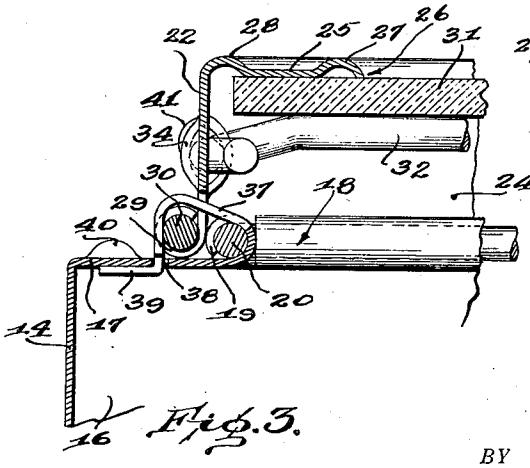


Fig. 3.

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DISPLAY COVER FOR BOXES

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Application July 10, 1937, Serial No. 153,010.

3 Claims. (Cl. 220—31)

The present invention relates to display covers for boxes and more particularly to a display cover of the type shown in United States Patent No. 1,533,497, issued to me April 14, 1925, for Detachable closure for display containers.

The principal object of the invention is to provide a display cover of the type disclosed in the above identified patent and including a frame adapted to fit about the open side of a box in which the display is to be made, together with a lid or cover having a transparent panel therein, in which the edge portions of both the frame and cover are adequately reinforced. Another object of the invention is to provide such a display cover in which there is incorporated a novel form of hinge construction between the frame and cover.

Other objects of the invention will become apparent hereinafter.

In the accompanying drawing:

Fig. 1 is a perspective view of the display cover showing the same applied to a display box and with the lid thereof in closed position;

Fig. 2 is an enlarged fragmentary perspective view of a rear corner of the display cover showing the hinge construction between the frame and lid thereof;

Fig. 3 is a fragmentary sectional view taken substantially along the plane indicated by the line 3—3 of Fig. 1; and

Fig. 4 is a fragmentary sectional view similar to Fig. 3 showing the lid in open position.

The principal parts of the display cover are a main or attachment frame 10 and a lid or cover frame 11. Both frames 10 and 11 are of rectangular formation. The attachment frame 10 is designed to fit over a carton or container 12 in which goods are to be displayed in such a manner as to conceal the edges thereof. The lid or cover frame 11 is hinged to the main frame 10 and closes the upper open end thereof in such a manner as to permit access to be had to the goods upon opening thereof.

The main frame 10 is preferably formed as a single stamping and includes front and rear walls 13 and 14 respectively, and side walls 15 and 16. The material of the frame 10 extends inwardly at right angles from the upper edges of the walls 13, 14, 15 and 16 to form a narrow marginal rectangular top wall 17 which defines a comparatively large rectangular opening 18 through which access may be had to the goods contained in the carton 12. The inner edges of the wall 17 are rolled upwardly to provide integral tubular portions 19 (Fig. 3) closely fitting around a reinforcing wire 20 bent into rectangular form and extending completely around the opening 18.

The lid or cover frame 11 is similar in its construction to the main frame 10 and includes front and rear walls 21 and 22 respectively and side walls 23 and 24. The material of the frame 11 extends inwardly at right angles from the upper edges of the walls 21, 22, 23 and 24 to form a narrow marginal top wall 25 which defines a comparatively large rectangular opening 26. In order to strengthen the frame 11 and resist bending or twisting thereof, inner and outer marginal beads 27 and 28 respectively are formed in the top wall 25. The lower edges of the walls 21, 22, 23 and 24 are rolled outwardly to provide tubular portions 29 closely fitting around a reinforcing wire 30 bent into rectangular form and extending completely around the frame just outside the vertical walls thereof.

The cover frame opening 26 is of ample size to permit the goods displayed in the container 12 to be inspected. In order to protect the goods, a glass cover 31 fits within the frame 11 and bears against the top wall 25 thereof, it being yieldingly held in position by means of a bezel frame 32 in the form of a rod or wire which is approximately rectangular in form and which is provided with free ends 33 that are hinged to the rear walls 22 by means of the hinge tubes 34 that are formed by springing a portion of the rear wall 22 outwardly and a portion thereof inwardly. Inwardly pressed beads 35 are provided in the walls 21, 23 and 24 to releasably retain the bezel frame 32 in position against the glass cover 31.

The main frame 10 and the cover frame 11 are permanently connected together by means of a hinge construction, the hinge pintle consisting of a portion of the reinforcing wire 30 which lies along the lower edge of the rear wall 22. Portions of the tubular formation 29 surrounding the wire 30 are cut away and portions 37 of the tubular formation 19 are carried rearwardly, extending over the wire 30 in the cut away portions and downwardly and passing through slots 38 formed in the top wall 17 of the frame 10. The ends of the rearwardly extending portions 37 are bent laterally as at 39 to anchor the same in the slots 38. In this manner, the wire 30 is loosely retained within the tubular formations provided by the portions 37 and the portions of the top wall 17 which they overlie and thus a hinge formation is formed which has ample strength and stiffness to maintain the cover frame 11 in

the proper relation to the main frame 10 when in its open or in its closed position.

Protuberances 40 formed in the top wall 17 of the main frame 10 at spaced points therealong are in alignment with similar protuberances 41 formed in the rear wall 22 of the cover frame 11. The protuberances 40 are adapted to be engaged by the protuberances 41 when the cover frame is moved to its extreme open position as shown in Fig. 4.

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

I claim:

1. A display cover designed for attachment to a display container comprising an open main frame of sheet metal having side walls adapted to closely fit the walls of a container about the open side thereof, the upper edges of said side walls being turned inwardly at right angles to provide a narrow rectangular top wall having an opening therein, the inner edges of said top wall being rolled outwardly to provide a plurality of tubular formations, a reinforcing wire disposed within and extending through said tubular formations and extending completely around said inner edges, a sheet metal cover frame having side walls formed to fit closely around the reinforcement of said top wall, the lower edges of said side walls of the cover frame being rolled outwardly to provide a plurality of tubular formations, and a reinforcing wire disposed within and extending through said latter tubular formations, said latter reinforcing wire extending completely around said lower edges, a portion of one of said side walls, including a section of the outwardly rolled edge thereof, being cut away to provide a slot immediately above said latter wire, a portion of one of said inwardly turned edges being offset from its corresponding tubular formation and extending around said first mentioned reinforcing wire, passing through the slot, and being secured to the top wall to confine the other reinforcing wire.

2. A display cover designed for attachment to a display container comprising an open main frame of sheet metal having side walls adapted to closely fit the walls of a container about the open side thereof, the upper edges of said side walls being turned inwardly at right angles to provide a narrow rectangular top wall having an opening therein, the inner edges of said top wall being rolled outwardly to provide a plurality of tubular formations, a reinforcing wire disposed within and extending through said tubular formations and extending completely around said inner edges, a sheet metal cover frame having side walls formed to fit closely around the reinforcement of said top wall, the lower edges of said side walls of the cover frame being rolled outwardly to provide a plurality of tubular formations, and a reinforcing wire disposed within and extending through said latter tubular formations, said latter reinforcing wire extending completely around said lower edges, a portion of one of said side walls including a section of the outwardly rolled edge thereof being cut away to provide a slot immediately above said latter wire, a portion of one of said inwardly turned edges being offset from its corresponding tubular formation and extending around said first mentioned reinforcing wire, passing through the slot, and being secured to the underneath side of said top wall to confine said other reinforcing wire.

3. A display cover designed for attachment to a display container comprising an open main frame of sheet metal having side walls adapted to closely fit the walls of a container about the open side thereof, the upper edges of said side walls being turned inwardly at right angles to provide a narrow rectangular top wall having an opening therein, the inner edges of said top wall being rolled outwardly to provide a plurality of tubular formations, a reinforcing wire disposed within and extending through said tubular formations and extending completely around said inner edges, a sheet metal cover frame having side walls formed to fit closely around the reinforcement of said top wall, the lower edges of said side walls of the cover frame being rolled outwardly to provide a plurality of tubular formations, and a reinforcing wire disposed within and extending through said latter tubular formations, said latter reinforcing wire extending completely around said lower edges, a portion of one of said side walls, including a section of the outwardly rolled edge thereof, being cut away to provide a slot immediately above said latter wire, a portion of one of said inwardly turned edges being offset from its corresponding tubular formation and extending around said first mentioned reinforcing wire, and passing through the slot, there being a slot in the top wall, said offset portion extending downwardly through the last mentioned slot and extending horizontally therebeneath, said offset portion confining the other reinforcing wire therein.

HENRY HERMANI.