April 17, 1928. 1,666,653

W. C. HIERING

METAL BOX AND COVER

Filed May 29, 1926

Fig.1.

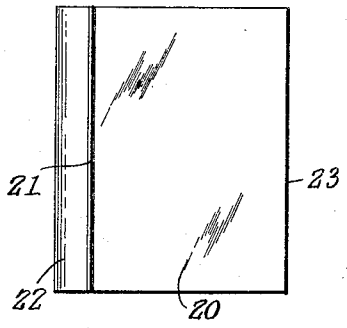


Fig.2.

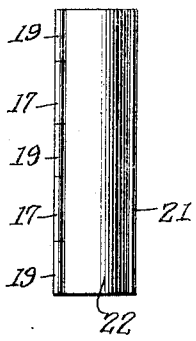


Fig.3.

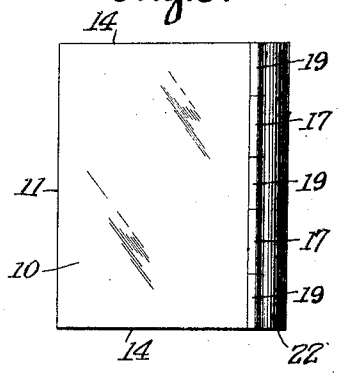


Fig.6.

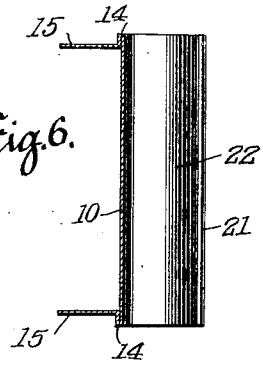


Fig.5.

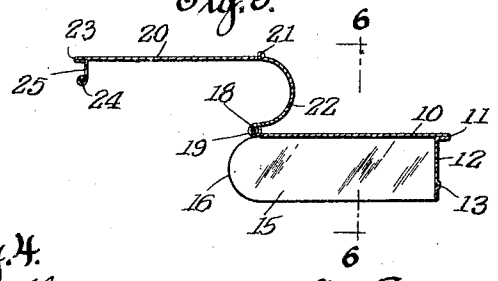


Fig.4.

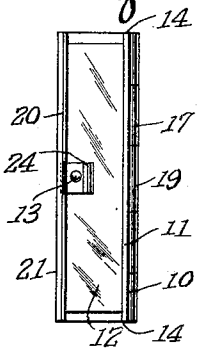


Fig.7.

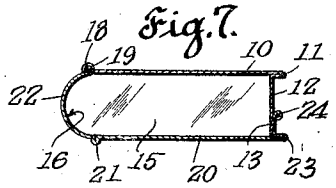
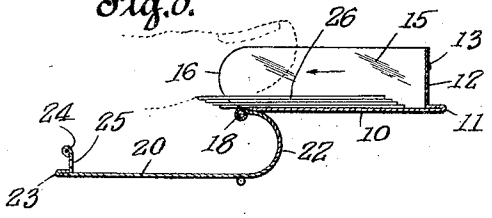


Fig.8.



INVENTOR
William C. Hiering
BY
Frank C. Fischer
ATTORNEY

Patented Apr. 17, 1928. 1,666,653

UNITED STATES PATENT OFFICE.

WILLIAM C. HIERING, OF NEWARK, NEW JERSEY, ASSIGNOR TO J. E. MERGOTT CO., OF NEWARK, NEW JERSEY, A CORPORATION OF DELAWARE.

METAL BOX AND COVER.

Application filed May 29, 1926. Serial No. 112,526.

This invention relates to metallic containers and particularly to such as are adapted to receive and hold cards and similar small flat articles in an advantageous manner.

One of the objects is to provide a box simulating an ordinary small book in appearance, capable of bearing ornamental configurations and legends relative to its contents, especially appropriate for holding a group of picture cards or like souvenirs securely, and which, due to the novel design of the box, are removable in an exceptionally easy and convenient manner.

It is a further feature to provide a box composed of two parts only, having integral hinges and catches, the cover being arranged to swing into position permitting full and ready access to the body at the top and curved rear side over the hinge, allowing the contents to be drawn out without being raised, in contradistinction to ordinary boxes of similar nature.

Another aim is in the provision of a container in which no soldering, brazing, riveting or other securing means of any kind are used and therefore is susceptible of economical construction.

These objects are attained by the novel construction and arrangement of parts hereafter described and illustrated in the accompanying drawing, forming part hereof and in which:—

Figure 1 is an upper side view of an embodiment of the invention in closed position.

Figure 2 is a rear edge view of the same.

Figure 3 is a lower side view thereof.

Figure 4 is a front edge view showing the catch.

Figure 5 is a transverse sectional view showing the cover open.

Figure 6 is a longitudinal sectional view taken on line 6—6 of Figure 5.

Figure 7 is a transverse sectional view similar to Figure 5 but showing the cover closed.

Figure 8 is a sectional view similar to Figure 5 but showing the structure in a reversed position and indicating the manner of removing the contents.

The body of the box consists of a single blank of sheet metal of suitable gage shaped to present a flat rectangular blank constituting the back 10, its front edge being bent reentrantly tight upon itself to produce an extending ledge 11 and then extended at a right angle to form a front wall 12.

Centrally in the length of the wall 12, adjacent its outer edge, is a small round projection 13 formed by pressing the metal outwardly to act as a catch as will hereafter appear.

The end edges of the plate 10 are similarly treated to produce ledges 14 from which extend end walls 15 disposed in parallel and of a height uniform with the front wall 12, which they abut at their front ends, the rear walls being convexly curved, as at 16, in simulation of the shape of a conventional book.

The rear edge of the plate 10 is cut and thereafter curled to present hinge eyes 17 through which passes a hinge pin 18, the same connecting similar eyes 19 formed in a like manner on the box cover.

The cover consists of a flat plate 20, corresponding to the plate 10 in size and proportion and having at its rear a longitudinal raised rib or bead 21, corresponding in general with the oppositely disposed hinge elements; extending from the bead is a substantially semi-circular rear wall 22, on which the hinge elements 19 are formed, the wall 22 conforming with and acting as a closure for the end wall edges 16.

The front edge 23 of the cover plate is doubled tightly upon itself to reach outwardly in conformity with the edge 11 of the plate 10 and extending at a right angle from the inturned edge, centrally in its length, is a catch 24 having a rolled lower edge and containing a central perforation 25 adapted to engage the projection 13 when the cover is closed.

The catch 24, by reason of its shape and construction, acts in the manner of a spring in yielding to snap past the projection when connecting or disconnecting the projection, holding the cover closed until manually released in an obvious manner.

When it is desired to remove the contents the cover is fully opened, the plates 10 and 20 extended in parallel planes as shown in Figure 8, whereupon the cards 26 or similar articles can be readily removed by a finger, as indicated, through the full length space at the rear of the box.

Although the foregoing is generally descriptive of the preferred embodiment of the structure, it will be apparent that minor modifications may be made and changes resorted to within the limits of the appended claims and spirit of the invention as herein disclosed.

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

1. A two part metal box comprising a plate member having closely folded flanged end and front edges and walls extending perpendicularly therefrom to enclose three sides of a rectangle, a second plate member having a wall to form the fourth side of the rectangle, an exterior hinge connecting the outer edge of the last named wall with the first named plate member, and a snap fastener on the second named plate to engage a mating element on one of the perpendicular walls of the first named plate member.

2. A metal box composed of two members having together extending doubled flange-like end and front edges and a convexly rounded back to simulate a book, one of said members having integral end walls extending at right angles from the side and front, said walls being curved at their rear edges, and the other member shaped to close over said end walls and their rear edges, a hinge connecting said elements at the rear, said hinge presenting a level inner surface in the plane of the first named member, a node in the front wall of the first named member, and a clip on the other member engageable with said node.

This specification signed and witnessed this twenty-first day of May, 1926.

WILLIAM C. HIERING.