

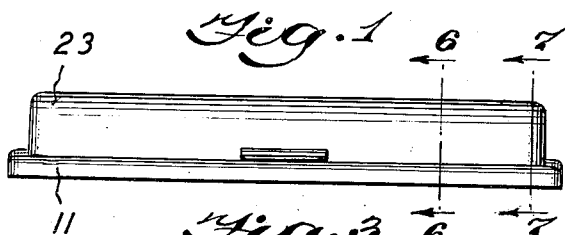
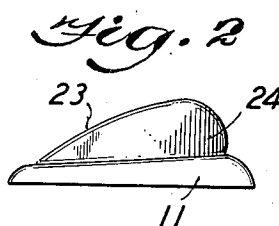
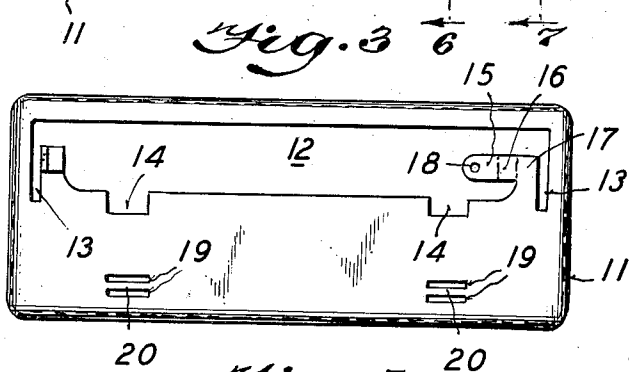
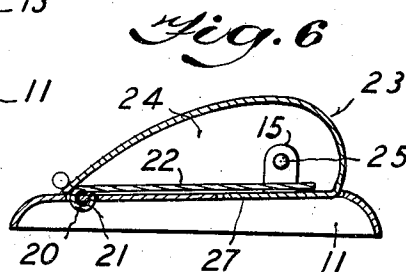
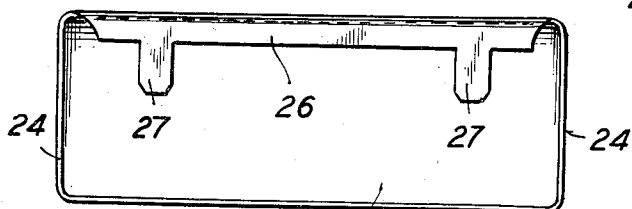
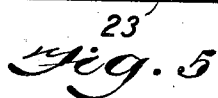
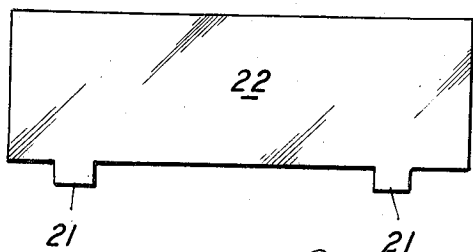
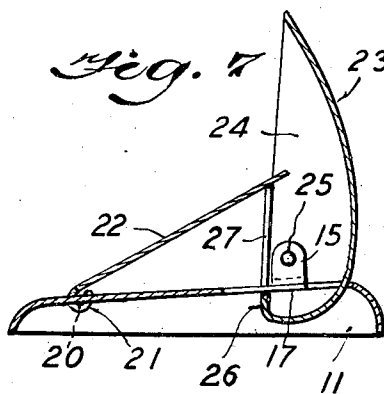
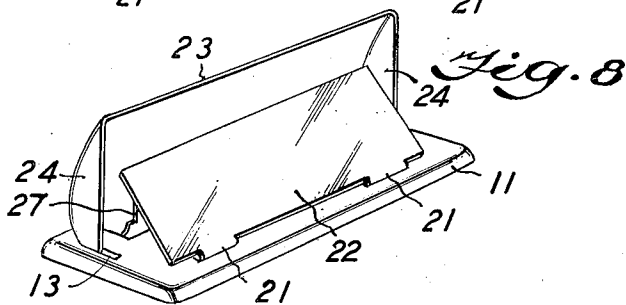
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DISPLAY BOX

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DISPLAY BOX

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The invention relates to a display box especially of the type used to enclose some article such as jewelry for instance. The article may be placed on or fastened onto the bottom of the box or a display member therein in any suitable way. When closed the box covers and protects the article. The box preferably is ornamented or ornamental so that it or a group of them may be stored in any suitable place. The box has a cover which may be opened to get access to the inside of the box and also to disclose its contents. The arrangement may be such that as the cover is opened the display member in the box is raised at one portion of its area so as to form an inclined display field. At the same time, as the cover is opened, the cover itself may sink at least in part into the bottom of the box and recede below the lifted display member so that the cover becomes relatively inconspicuous and so tends to call attention to the article on display. The cover may be hinged or pivoted to the bottom of the box. So that an attractive appearance may be made in both open and closed position, the pivoting means may be on the inside of the cover where it is not conspicuous. The supports for the pivots on the bottom of the box may be placed near the inner sides of the cover sides and where the raised display member may tend to conceal them when the box is open.

The box or parts of it may be made of metal, cardboard, plastic or the like, and it may or may not be colored or covered or lined or both by means of any suitable material desired.

The invention is not confined to specific means for carrying out the purposes but may be embodied in various forms. In order to fully disclose the invention, one embodiment of it is shown in the accompanying drawings in which Figure 1 is a front elevation of a closed display box. Fig. 2 is a side or end elevation of the same. Fig. 3 is a top plan view of the bottom member partially formed. Fig. 4 is a bottom plan view of the top member. Fig. 5 is a plan view of the display member. Fig. 6 is a vertical cross section on the line 6—6 of Fig. 1. Fig. 7 is a vertical cross section similar to Fig. 6 on a line a little further to the right showing the cover in open position. Fig. 8 is a front-and-side elevation of the display box showing the cover in open position.

A base member 11 may be hollow but at least will be provided at its rear side with a recess or cut out portion 12 extending substantially the entire width of the base. Extending forwardly from the ends of the recess 12 may be provided narrow slots 13 and further toward the center may be wider

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slots or openings 14. Between each pair of slots 13 and 14 may be a pivot bearing 15. As shown at the right of Fig. 3 the pivot bearing 15 may be carried by a strap or extension of the bottom member which may consist of an intermediate portion 16 which may be turned back upon the base portion 17 to form a support for the portion 18 which may be turned upward in close juxtaposition to the adjacent slot 13 as indicated at the left of Fig. 3.

Toward the front of the base member 11 are more or less parallel slots 19 leaving between them bars 20 which may be engaged by straps 21 on the front edge of a display plate 22. The straps 21 may be curved about the bars 20 so as to form hinge bearings for the display plate (see Figs. 6 and 7). As indicated in Fig. 6 the display plate 22 more or less covers the base member 11 on which it lies extending backward so as to overlie the cut out portion 12 and the slots 14 but not extending sideways so far as to cover the narrower slots 13.

A cover member 23 is provided as shown in detail in Fig. 4. The cover member is provided with depending sides 24, which rest upon the base member 11 when the cover is closed. Extending inwardly from the cover sides 24 are pivot members or pins 25 which engage and turn in the pivot bearings 15. The cover continues forward at its rear end as indicated at 26 and is provided with extensions or lugs 27 so placed as to normally lie in the slots 14 and so underlie the rear portion of the display plate 22 as shown in Fig. 6. The rear portion of the cover 23 and its side walls 24 is formed on a curve which may be a circle drawn about the pivot pin 25 as a center. The pivot bearing 15 is raised above the base member 11 by a distance somewhat less than the radius of the circle about the pin 25. Thus when the cover is turned to open position on its pivots the rear end of the cover 23 and its side walls 24 will pass through the cut out portion 12 and below the surface of the base member 11, leaving extending upwardly only a portion of the cover. At the same time the lugs 27 at their forward ends will engage the display plate 22 and turn it on its hinges 20—21 to an inclined position, as indicated in Fig. 7, and so further concealing a portion of the cover member 23. It will be noted that in the open position of Fig. 7 only a small portion of the cover will be visible so tending to place all attention on the inclined display member 22 and any article displayed thereon.

As the cover 23 turns its side members 24 will pass into the narrower slots 13 which are ar-

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ranged below and in juxtaposition with the members 18 which carry the pivot bearing 15.

As the cover opens the extension 26 on it moves until the ends of the extension engage the bottom sides of the portion 17 between the slots and thus form a stop for the movement of the cover. As shown in Figure 7 the cover is thus stopped when the lugs 27 are approximately vertical so as to give the maximum inclination to the display member 22.

The radius of the curve of the rear end of the cover may be approximately the distance from the pivot bearing 15 to the rear wall of the cut out portion 12. Thus when the cover is closed there may be no opening between it and the rear of the bottom member (see Figure 6) and as the cover turns open there may be no opening there and in its open position the cover may rest in substantial contact with the rear of the opening 12 (see Figure 7).

It will be observed that the pivot 25 and its bearing 15 are within the cover and so concealed from the eye when the box is open as well as when it is closed. This aids in giving to the device an attractive neat appearance which may be highly desirable in a box which is to be used to display jewelry and like delicate and beautiful articles.

The device may be made of sheets of material suitably shaped or it may have its various elements cast or otherwise provided in appropriate shapes and sizes. Other changes and variations may be made without departing from the invention.

I claim as my invention:

1. In a display box, a hollow base member, having a top provided with a cut-out portion toward its rear including forwardly extending narrow slots near the ends of the top and forwardly extending wide slots nearer the center than the narrow slots, pivot support members on the top extending upwardly adjacent the narrow slots but between them and the center of the top, pintles between slots near the front of the top, a display member normally resting on the top and overlying the wide slots, hinge leaves at the front edge of the display member pivotally engaging the pintles, a cover member, downwardly extending side walls to the cover member surrounding and pivoted to the pivot support members the pivot axis being above the top of the base member and forward of the rear of the walls of the cover member a distance greater than the height above the top of the base member so that the side walls enter the narrow slots when the cover is turned on its pivots and the base adjacent the narrow slots forms stops to limit the turning movement of the cover, and forwardly extending lugs on the cover passing through the wide slots and engaging the rear of the display plate when the cover is turned on its pivot to tilt the display plate on its hinge.

2. In a display box, a hollow base member, having a top provided with a cut-out portion toward its rear including forwardly extending slots, pivot support members on the top near its ends and extending upwardly, a display member normally resting on the top and overlying the slots, a cover member, downwardly extending side walls to the cover member pivoted on their inner sides to the pivot support members the pivot axis being above the top of the base member and forward of the rear of the walls of the cover member a distance greater than the height above the top of the base member so that the side walls enter the slots when the cover is turned on its pivots and

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the base adjacent the slot forms stops to limit the turning movement of the cover, and forwardly extending lugs on the cover passing through the slots and engaging the rear of the display plate when the cover is turned on its pivot to tilt the display plate on its hinge.

3. In a display box, a hollow base member, having a top provided with a cut-out portion toward its rear, pivot support members on the top extending upwardly, a display member normally resting on the top and overlying the cut-out portion, a cover member pivoted to the pivot support members the pivot axis being above the top of the base member and forward of the rear of the cover member a distance greater than the height from the top of the base member so that a portion of the cover enters the cut-out portion when the cover is turned on its pivots, and forwardly extending lugs on the cover engaging the rear of the display plate when the cover is turned on its pivot to tilt the display plate on its hinge.

4. In a display box, a hollow base member, having a top provided with a cut-out portion toward its rear including forwardly extending slots, pivot support members on the top, a display member hinged to the top near its front and normally overlying the cut-out portion, a cover member pivoted on its inner side to the pivot support members the pivot axis being above the top of the base member and forward of the rear of the cover member a distance greater than the height from the top of the base member so that a portion of the cover enters the cut-out portion when the cover is turned on its pivots and the base adjacent the slots forms stops to limit the turning movement of the cover, and forwardly extending lugs on the cover passing through the slots and engaging the rear of the display plate when the cover is turned on its pivot to tilt the display plate on its hinge.

5. In a display box, a hollow base member, having a top provided with a cut-out portion toward its rear including forwardly extending narrow slots near the ends of the top and forwardly extending wide slots nearer the center than the narrow slots, pintles between slots near the front of the top, a display member normally resting on the top and overlying the wide slots, hinge leaves at the front edge of the display member pivotally engaging the pintles, a cover member pivoted on the top the pivot axis being above the top of the base member and forward of the rear of the cover member a distance greater than the height from the top of the base member, downwardly extending side walls to the cover member so that the side walls enter the narrow slots when the cover is turned on its pivots, and forwardly extending lugs on the cover passing through the wide slots and engaging the rear of the display plate when the cover is turned on its pivot to tilt the display plate on its hinge.

6. In a display box, a hollow base member, having a top provided with a cut-out portion toward its rear including forwardly extending narrow slots near the ends of the top and forwardly extending wide slots nearer the center than the narrow slots, a display member hinged at its front to the top and normally overlying the wide slots, a cover member pivoted on the top the pivot axis being above the top of the base member and forward of the rear of the cover member a distance greater than the height from the top of the base member, downwardly extending side walls to the cover member so that the side walls enter the narrow slots when the cover is turned on its pivots,

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and forwardly extending lugs on the cover passing through the wide slots and lifting the rear of the display plate when the cover is turned on its pivot.

7. In a display box, a base member, having a top provided with a cut-out portion toward its rear, a display member hinged on the top, a cover member curved at its rear in part on the arc of a circle, inwardly extending pivots on the cover at the center of the circle, bearings for the pivots raised above the top less than the length of the circle radius, and means to cause the display member to tip when the cover is opened.

8. In a display box, a hollow base member, having a top provided with a cut-out portion toward its rear including forwardly extending narrow slots near the ends of the top and forwardly extending wide slots nearer the center than the narrow slots, a display member hinged at its front to the top and normally overlying the wide slots, a cover member, downwardly extending side walls to the cover member curved at their rears in part on the arc of a circle, inwardly extending pivots at the center of the circle, bearings for the pivots raised above the top less than the length of the

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circle radius, so that the cover enters the cut-out portion and the side walls enter the narrow slots when the cover is turned on its pivots, and forwardly extending lugs on the cover passing through the wide slots and lifting the rear of the display plate when the cover is turned on its pivot.

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