Oct. 28, 1941. E. C. MULNIX 2,260,951

BOX

Filed June 15, 1939

Fig. 1

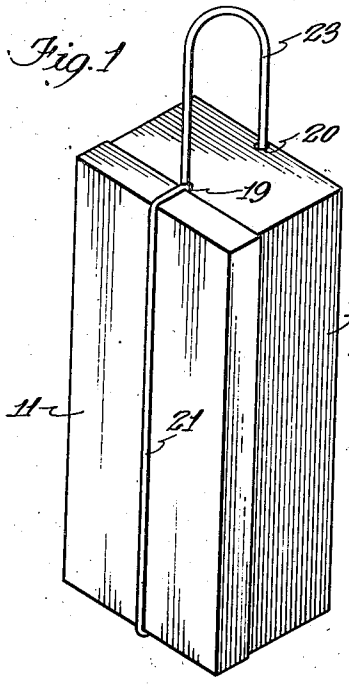
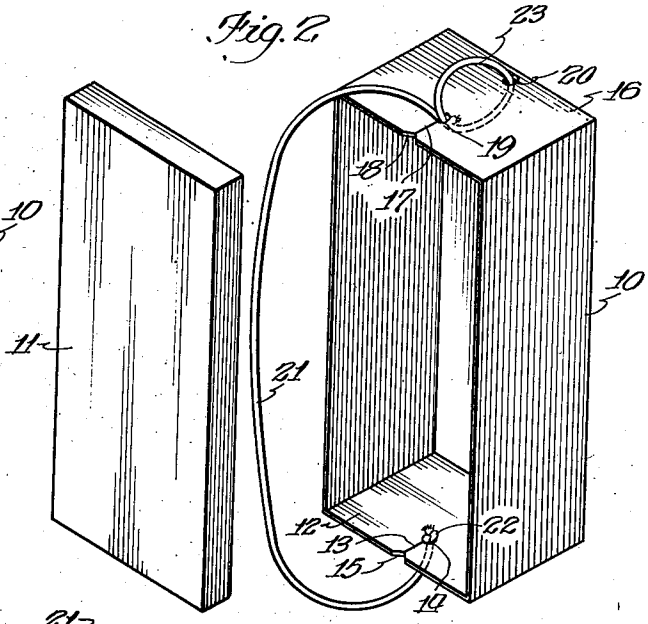


Fig. 2



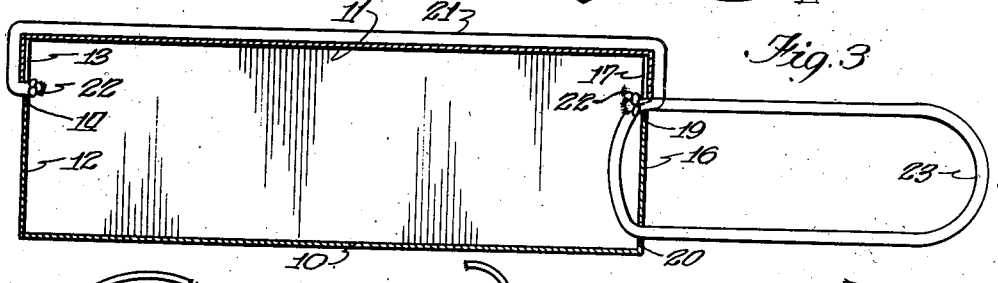


Fig. 3

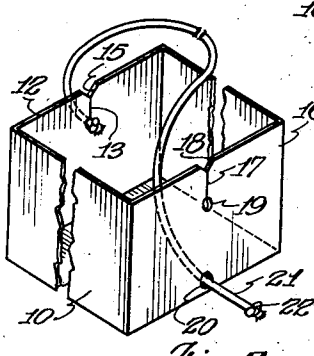


Fig. 4

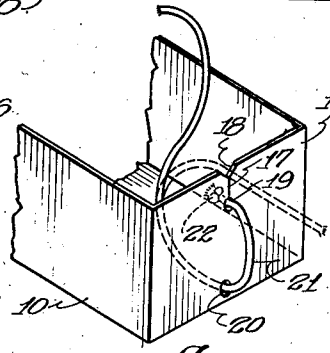


Fig. 5

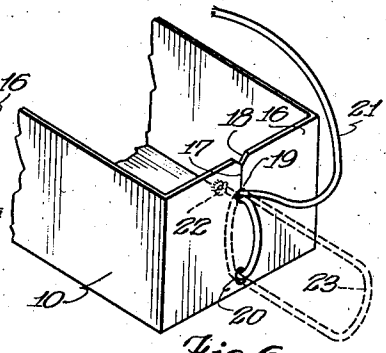


Fig. 6

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UNITED STATES PATENT OFFICE

2,260,951

BOX

Ersel C. Mulnix, Chicago, Ill., assignor of one-half to Louis Joseph, Oak Park, Ill.

Application June 15, 1939, Serial No. 279,297

3 Claims. (Cl. 229—46)

The invention relates to improvements in boxes and has for its primary object the provision of a simple arrangement for attaching a flexible element thereto.

Another object of the invention is the provision of a box of the character indicated, having a removable lid, and provided with simple and effective means whereby the flexible element may be readily attached thereto in such form as to provide a handle and a lid securing loop.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing forming a part of this specification and in which

Fig. 1 is a perspective view illustrating a box embodying the invention and shown in condition of use;

Fig. 2 a perspective view of the box showing the lid removed therefrom;

Fig. 3 an enlarged longitudinal section of the box;

Fig. 4 a perspective view illustrative of the method of attaching the flexible element to the box;

Fig. 5 another perspective view illustrating a later stage in the attachment of the flexible element; and

Fig. 6 a perspective view illustrating the final stage in such attachment.

The embodiment of the invention illustrated in the drawing comprises an ordinary rectangular paper box body 10 having the usual removable lid 11 as indicated. One end 12 of the box body is provided with a slit 13 having a slight enlargement 14 at its lower end, the slit being of a depth slightly greater than the depth of the box lid, as best shown in Fig. 3. As indicated, the slit 13 is provided with an entry notch 15 to facilitate the entry of the end of a cord thereto. The other end 16 of the box is provided at its top with a slit 17 and entry notch 18 with an enlargement 19 at the bottom of the slit, said enlargement 19 being of sufficient size to receive two strands of the cord. A larger hole 20 is arranged in the box end 16 adjacent the bottom thereof and of a size to permit the free passage of the knot in the end of the cord.

A flexible element in the form of a cord 21 is provided for use in conjunction with the box 10 and its lid 11. This cord is provided adjacent its ends with stops 22 in the form of knots tied therein, as shown.

In use, one end of the cord 21 is forced into the slit 13 with the corresponding knot 22 on the inside of the box, thereby securing that end of the cord to the wall of the box. Then the other end of the cord 21 is passed outwardly through the hole 20 and brought up and forced downwardly through the slit 17 with the corresponding knot 22 located inside of the box as indicated. Then the body of the cord 21 is forced into the slit 17 and enlargement 19 as shown thus completing the attachment of the cord to the box. By this arrangement a handle loop 23 is formed in the cord 21 and a larger lid securing loop is also provided adapted and arranged to permit the placing of the lid 11 in place and pass around the same. Then by taking up the slack in the cord 21 by enlarging the handle 23 as indicated in Fig. 1, the lid securing loop will be drawn tightly around the lid 11 thereby holding said lid in place to prevent the accidental escape of the contents of the box. For this purpose, the enlargement 19 should be of a size that will permit of frictional sliding of the body of the cord therethrough but offer enough frictional resistance to such sliding to prevent the too ready removal or displacement of the lid 11. In this way a box is provided in which the slits and holes therein may be inexpensively produced at the factory and the cords subsequently applied by the purchaser of the box as and when desired, thereby dispensing with the useless application of the cords when not necessary or desired and permitting the full use of the boxes without such cords. The specific form disclosed is a simple and effective one for the purpose.

While I have illustrated and described the preferred form of construction for carrying the invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I therefore do not wish to be limited to the precise details disclosed, but desire to avail myself of such variations and modifications as fall within the scope of the appended claims.

I claim:

1. The combination with a box having a removable lid, of a flexible element having stops adjacent its ends, there being slits in opposite walls of said box extending downwardly from the top edges thereof to a depth just beyond that of the lid and a hole in one wall adjacent the bottom thereof and of a size to permit the passage of one of said stops, the slit in said one wall being enlarged at its bottom and said flexible element having one end secured in the slit in the box end

without the hole with the corresponding stop within the box, the other end of said flexible element being passed outwardly through said hole and secured in the corresponding slit with the corresponding stop within the box, the body of said flexible element being inserted through said last named slit and frictionally slidable in said enlargement to form a box handle and a lid securing loop.

2. The combination with a box having an open top, end and side walls, a lid for said open top, one wall of said box having a hole therethrough adjacent the upper edge and a second hole through said wall below said first hole and spaced therefrom, and a flexible member for securing said lid to said box, said flexible member having one end anchored to the wall of the box opposite to the wall having said holes therethrough, said member extending outwardly of said opposite wall, then across the open top of said box, then into said box through said upper hole of said apertured wall to provide a lid securing loop, then outwardly of said box through said lower hole, then into said box again through said upper hole to form a handle providing loop outside said apertured wall, and stop means on the free end of said member to prevent its withdrawal through said upper hole.

3. The structure of claim 2, a slit opening into said upper hole from the adjacent free edge of said apertured wall, and said lower hole being larger than the upper hole to permit the free passage of said stop therethrough.

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