Jan. 30, 1934. L. A. PAZANDAK 1,945,375

BOX LID HOLDER

Filed April 21, 1932

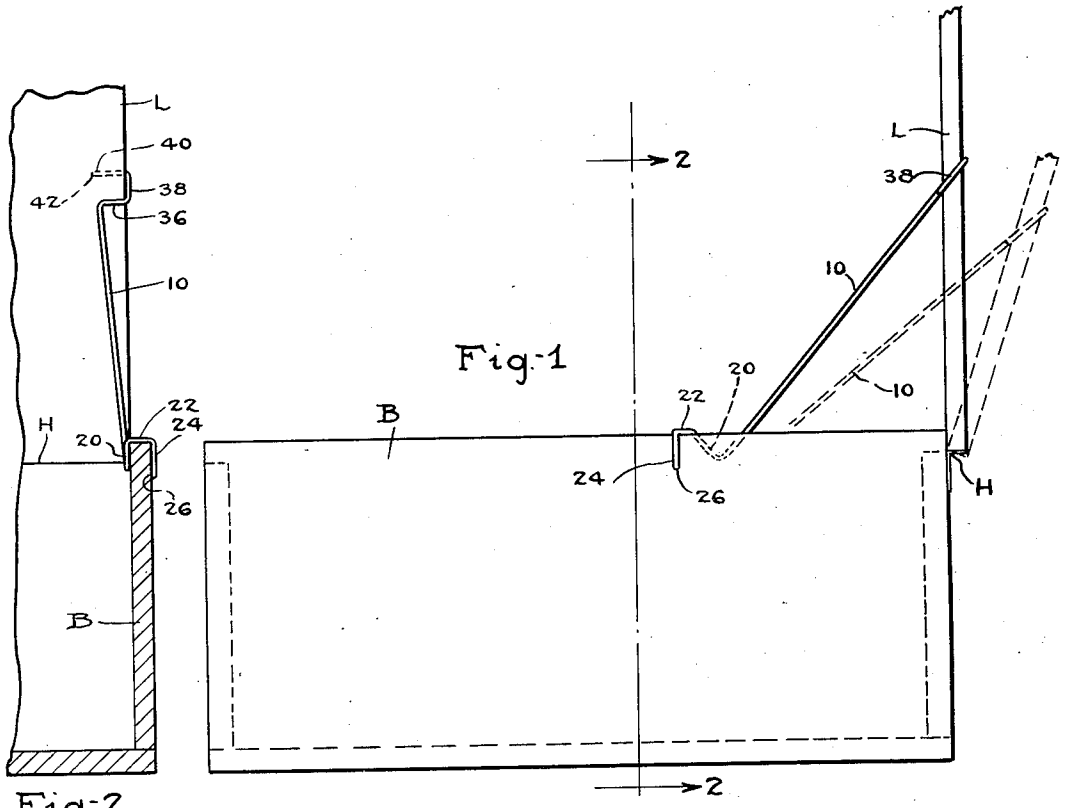


Fig. 1

Fig. 2

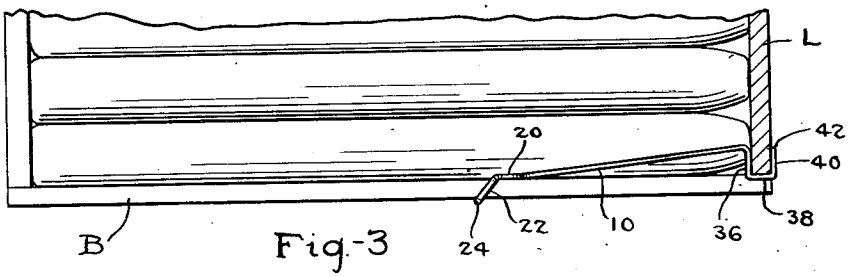


Fig. 3

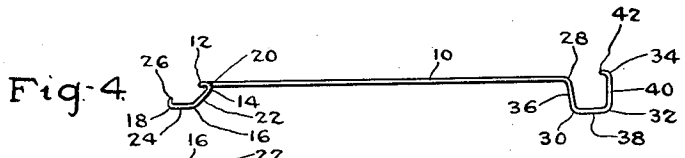


Fig. 4

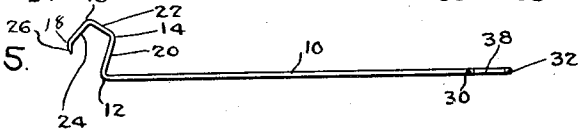


Fig. 5

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BOX LID HOLDER

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2 Claims. (Cl. 217—61)

My invention relates to box lid holders and is intended more particularly for use in holding lids of cigar boxes in open position so that the contents of cigar boxes placed in display counters will be displayed to customers, as will also pictures and printed matter placed on the under surface of the lid. For this purpose the lid should be held either in upright position or in a position inclined slightly backwardly. An object of the invention is to provide a device of this character which will firmly hold the lid in the desired open position and at the same time will not project beyond the box, where it would be in the way of adjacent cigar boxes placed in the display counter. Another object of the invention is to provide a device of this character which may be readily and economically constructed from a single piece of wire. In carrying out my invention I provide a piece of wire of the proper length from one end of which I bend members of the proper conformation and size for firmly securing to one end of the box, and from the other end of the wire I bend members of the proper conformation and size for firmly securing to the box lid.

The full objects and advantages of my invention will appear in connection with the detailed description thereof, and the novel features of my inventive idea will be particularly pointed out in the claims.

In the accompanying drawing, which illustrates a practical embodiment of my invention,

Fig. 1 is an elevational view showing the holder applied to a cigar box. Fig. 2 is a view in vertical section on the line 2—2 of Fig. 1. Fig. 3 is a fragmentary top plan view showing the holder applied to a cigar box. Fig. 4 is an elevational view of the holder. Fig. 5 is an elevational view of the holder taken at right angles to Fig. 4.

As shown in the drawing, the holder is made from a single piece of wire having a body member 10. At one of its ends the body member is bent four times at the points indicated, 12, 14, 16 and 18. The bend 12 is such that a member 20 is produced which extends from the body member 10 at somewhat less than a right angle. The bend 14 is such that a member 22 is produced which not only extends from the member 20 at somewhat more than a right angle, but is turned so as to be out of the plane of the members 10 and 20, as will be understood from Fig. 5. The bend 16 is such that a member 24 is produced which not only extends from the member 22 at a little more than a right angle, but is turned so as to be out of the plane of the members 20 and 22, as will be understood from Fig. 4. The bend 18 is such that a short member 26 is produced which not only extends from the member 24 at more than a right angle, but is turned so as to be out of the plane of the members 22 and 24, as will be understood from Fig. 5. The free end of the member 26 is sharpened to form a point.

At its other end the body member 10 is bent four times at the points indicated at 28, 30, 32 and 34. The bend 28 is such that a member 36 is produced which extends from the body member 10 at substantially a right angle. The bend 30 is such that a member 38 is produced which extends from the member 36 at substantially a right angle. The bend 32 is such that a member 40 is produced which extends from the member 38 at substantially a right angle. The body member and the members 36, 38 and 40 lie in a common plane. The bend 34 is such that a short member 42 is produced which extends from the member 40 at somewhat more than a right angle, and lies in the common plane just referred to. The free end of the member 42 is beveled so as to form a chisel-like edge.

From the drawing it is apparent that the parts 20, 22 and 24 constitute a U-shaped member at one end of the body member 10 with an inwardly-extending point 26 carried by the free end of the U-shaped member. Also, the parts 36, 38 and 40 constitute a U-shaped member at the other end of the body member 10 with an inwardly-extending bevel 42 carried by the free end of this U-shaped member. From Fig. 1 it is apparent that the substantially parallel branches 20 and 24 are spaced from each other a greater distance than the thickness of the box end, while from Fig. 2 it is apparent that the substantially parallel branches are spaced from each other a greater distance than the thickness of the box lid. From Figs. 4 and 5 it is apparent that the 2 U-shaped members extend out from the body member 10 with different angular relationships.

The operation and advantages of my invention will be apparent in connection with the foregoing description. The device is shown applied to a cigar box B having a lid L attached thereto by a hinge H. In applying the holder to the box the end which carries the pointed member 26 is first slipped over the upper edge of one of the ends of the box in a manner which will be understood from Figs. 1 and 2. The pointed member will be forced into the wood of the box and the lid is placed in the desired open position. The other end of the holder is then forced upon the edge of the lid, as will be understood from Figs. 1, 2 and 3, the resiliency of the wire permitting

this to be readily done. The chisel-like member 42 will bite into the wood of the lid and prevent slipping, so that the lid may be held in upright position, as shown in full lines in Fig. 1, or may be held in backwardly-inclined position, as shown by dash lines in this figure. On account of the twist or out-of-plane position given to the members carried at the lower end of the holder, and also due to the fact that the body member is sprung outwardly when the upper end is applied to the lid, the holder readily accommodates itself to boxes whose walls are of different thickness.

I claim:

1. A box lid holder formed from a single piece of resilient wire comprising a body member, a short member extending from one end of said body member at somewhat less than a right angle to the body member, a second short member extending at an angle from the outer end of said first short member and deflected out of the plane which includes said body member and said first short member, a third short member extending at an angle from the outer end of said second short member and positioned approximately parallel to said first short member, a still shorter and pointed member extending at an angle from the outer end of said third short member toward said first short member, a short member extending at an angle from the other end of said body member, a short member extending at an angle from the outer end of the last mentioned short member, a short member extending at an angle from the outer end of the short member just mentioned, said last mentioned short member being substantially parallel to next to the last short member mentioned, and a still shorter and chisel-shaped member extending at an angle from the outer end of the last mentioned member toward the line of said body member.

2. A box lid holder formed from a single piece of resilient wire comprising a body member, a short member extending from one end of said body member at somewhat less than a right angle to the body member, a second short member extending at an angle from the outer end of said first short member and deflected out of the plane which includes said body member and said first short member, a third short member extending at an angle from the outer end of said second short member and positioned approximately parallel to said first short member, a still shorter and pointed member extending at an angle from the outer end of said third short member toward said first short member, and a gripping device carried by the other end of said body member.

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