

(No Model.)

C. B. STRUBLE.
BOX LID SUPPORT.

No. 478,655.

Patented July 12, 1892.

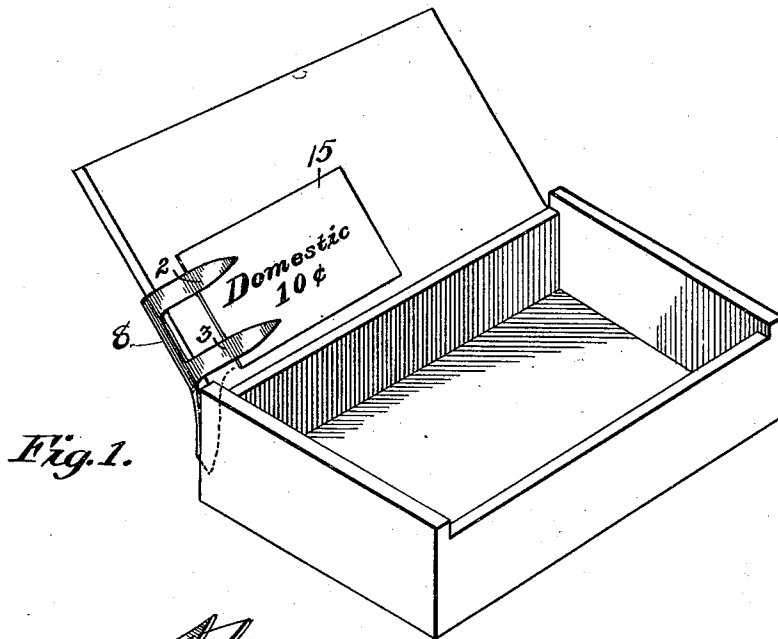


Fig. 1.

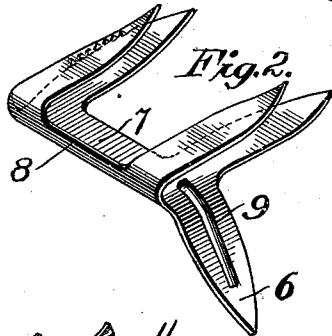


Fig. 2.

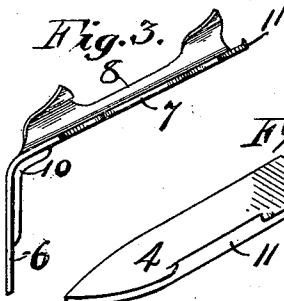


Fig. 3.

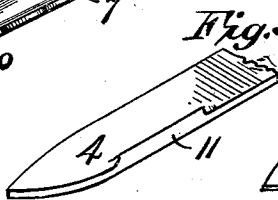


Fig. 5.

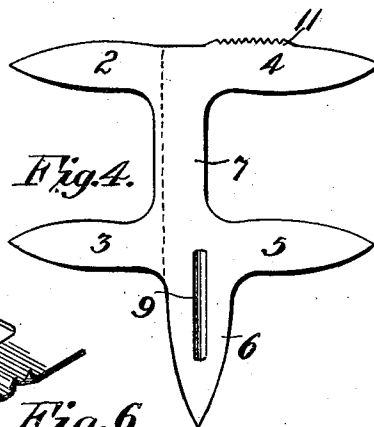
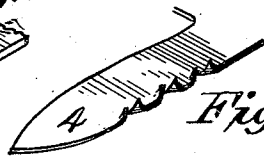


Fig. 4.

Witnesses.
C. E. Van Doren.
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UNITED STATES PATENT OFFICE.

CHARLES BRUCE STRUBLE, OF MINNEAPOLIS, MINNESOTA.

BOX-LID SUPPORT.

SPECIFICATION forming part of Letters Patent No. 478,655, dated July 12, 1892.

Application filed December 1, 1891. Serial No. 413,715. (No specimens.)

To all whom it may concern:

Be it known that I, CHARLES BRUCE STRUBLE, of Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain Improvements in Box-Lid Supports, of which the following is a specification.

My invention relates to a cheap, light, and neat detachable bracket-clasp intended especially for use on cigar-boxes; and the object of the invention is to provide such an article of manufacture without hinge-joints and consisting in one strong, solid, and yet light device which may be readily slipped upon the box-cover and as easily removed.

To this end my invention consists in an article of manufacture stamped from sheet metal and bent to conform to the box and lid, all as hereinafter described, and particularly pointed out in the claims.

The invention will be more readily understood by reference to the accompanying drawings, in which—

Figure 1 shows a device embodying my invention in place upon a box. Fig. 2 shows the same enlarged and detached from the box. Fig. 3 is an edge or end elevation. Fig. 4 shows the stamped blank before bending. Figs. 5 and 6 are details.

As shown in the drawings, my device in the blank is made up of the four prongs or clip-points 2, 3, 4, and 5, the depending prong 6, and the connecting bridge or tie 7. The prongs 2 and 3 are bent over the other, as shown clearly in Figs. 2 and 3, the bends being made on the dotted line of Fig. 4, so that a small ledge or rim is formed on the outer edge of the bridge 7 to strengthen the same. This bend is made in a neat curve, as shown in Fig. 2. When the article is stamped out, the indentation 9 is formed in the lower part of the stock and in the lug or prong 6, thereby forming the rib 10 on the back thereof to greatly strengthen the bracket, which is made by the bending down of the lug 6 at an angle with the rest of the device. In addition a small lip 11 is stamped on the upper edge of the prong 4. This lip may be made long and provided with a knife-edge or may be notched to form the sharp teeth shown in Fig. 4 and

which are turned up in position shown in Fig. 3 to engage the back of the lid, so that the clasp is held firmly and prevented from slipping thereon. The ends of the prongs 2 and 3 are bent up slightly, so as to pass onto the lid easily. The lower prongs project beyond the upper ones, and in placing the clip-bracket upon the box these are placed under the edge of the lid and slight upward pressure then exerted opens the clip to admit the edge of the box-lid.

The whole device is made of spring-brass and therefore retains its spring-like quality.

The lug 6 may be readily bent at any angle to the upper part of the device to hold the cover or lid of the box in any desired position. Owing to the strong spring between the prongs and the engagement of the lip or teeth on the lid, the box of cigars may be lifted by the lid without danger of breaking off the lid or in any way spilling the contents of the box. As the lug 6 is not attached to the back of the box, the cover may at any time be closed. When the clip is in position on the box, the prongs 2 and 3 will alone be visible and these serve to hold the price tag or card 15 in plain sight on the cover.

It is obvious that the space between the prongs 2 and 3 and 3 and 4 may be filled, if desired; but the construction shown, being the cheapest and neatest, is preferred.

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

1. An article of manufacture consisting of a bracket having a clasp portion to engage the lid and a prong or lug 6, arranged at an angle thereto and adapted to engage the back of the box.

2. An article of manufacture consisting in the bracket-clasp having prongs to engage the forward and rear sides of a box-lid and a prong 6, arranged at an angle thereto and strengthened by a rib 10, as described.

3. An article of manufacture made up of the prongs 2, 3, 4, 5, and 6 and the bridge portion 7, all arranged in the relations described, and for the purpose specified.

4. An article of manufacture consisting in

the bridge 7, strengthened by the rib 8 and having the prongs 2 3 and 4 5, one set of prongs extending beyond the other, a lug or prong 6, and a lip arranged on the prong 4 to engage the box-lid, substantially as described.

5 5. As an article of manufacture, the bracket-clasp made up of the prongs 2, 3, 4, 5, and 6, the bridge 7, the strengthening-rib 8, and the toothed lip provided on one of said prongs,

and said parts arranged in the relations described, as and for the purpose specified.

In testimony whereof I have hereunto set my hand this 21st day of November, 1891.

CHARLES BRUCE STRUBLE.

In presence of—

C. G. HAWLEY,

F. S. LYONS.