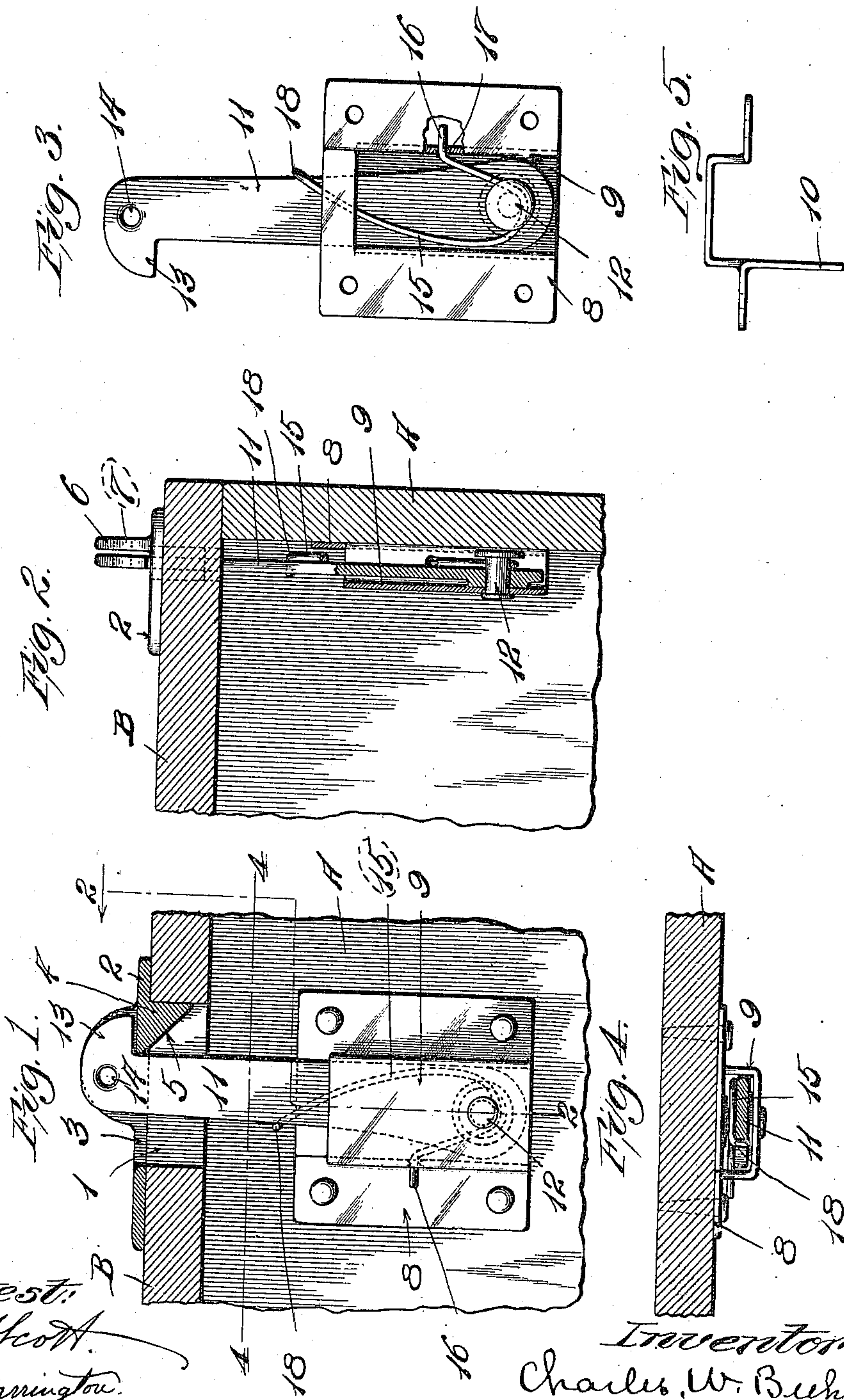


C. W. BEEHLER.  
BOX FASTENER.  
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976,027.

Patented Nov. 15, 1910.



Attest:  
W. H. Scott.  
E. M. Harrington.

Inventor:  
Charles W. Beehler



# UNITED STATES PATENT OFFICE.

CHARLES W. BEEHLER, OF ST. LOUIS, MISSOURI.

## BOX-FASTENER.

976,027.

Specification of Letters Patent.

Patented Nov. 15, 1910.

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*To all whom it may concern:*

Be it known that I, CHARLES W. BEEHLER, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Box-Fasteners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to that type of box fasteners which are particularly adapted for use on beer and egg cases, package carrying boxes and the like, and the object of my invention is to provide a simple, practical box fastener which can be manufactured at comparatively low cost, and the parts of which fastener are so formed as to be easily and quickly assembled, and placed in position on the box.

To the above purposes my invention consists in certain features of novelty herein-after more fully described, claimed and shown in the accompanying drawings, in which;

Figure 1 is a vertical section of a portion of a box and showing my improved fastener in position thereon. Fig. 2 is a vertical section taken on the line 2—2 of Fig. 1. Fig. 3 is an elevation of the fastener detached from the box. Fig. 4 is a horizontal section taken on the line 4—4 of Fig. 1. Fig. 5 is a plan view of the keeper or base plate as the same appears before the spring actuated hook is applied thereto.

Referring by numerals to the accompanying drawings A designates one of the walls of the box and B the cover or lid therefor.

Formed in the lid or cover in alinement with the inner face of the wall A is an opening 1, and fixed on top of the cover over said opening is a locking plate 2 in which is formed an opening 3 which coincides with the opening 1.

Formed integral with the plate 2 and projecting downward into one end of the opening 1 is a lug 4 provided on its under side with an inclined or beveled face 5.

Formed integral with the plate and projecting upwardly therefrom is an ear 6 provided with an aperture 7.

8 designates the keeper or base plate which is preferably constructed of sheet metal rectangular in outline and having its central portion stamped or pressed outward to form a transversely disposed housing 9 in which

the lower portion of the catch is positioned. When this keeper is formed a tongue 10 of metal along the upper edge is stamped or pressed outward, and this tongue of metal is bent back into position, and into alinement with the body of the plate after the spring catch has been positioned therein. The plate 8 is fixed to the inner face of the back wall A by means of small nails or like fastening devices which pass through suitable apertures formed in said base plate.

11 designates the catch forming a part of my improved fastener, the lower portion of which occupies the housing 9, and the lower end of said catch being pivotally mounted upon a rivet 12 seated in the lower portion of said housing 9. The upper end of the catch 11 is provided with a horizontally disposed hook 13 which is adapted to engage through the opening 3 in the plate 2, and bear against the top of said plate as shown in Figs. 1 and 2.

Formed through the hook 13 is an aperture 14 which when the fastener is in operative position coincides with the aperture 7 in the ear 6, and a suitable sealing wire can be inserted through the alined apertures 7 and 14.

15 designates a U-shaped spring of wire which occupies a position within the housing 9, one end of said spring being bent outwardly as designated by 16 and said outwardly bent end is seated in an aperture 17 formed in the wall of the housing 9. This spring 15 passes beneath the rivet 12, and the upper end of the opposite leg of the spring is bent laterally as designated by 18, and said laterally bent portion bears against the rear side of the central portion of the catch 11.

The operation of my improved catch is obvious. The spring 15 bears against the rear side of the catch 11 holding the same against one side of the housing 9, and when the cover is placed on the back the inclined face 5 bears against the top of the hook 13, thereby forcing the catch rearward against the resistance offered by the spring 15, and when the hook passes through the opening 3 the catch will spring forward and said hook will engage the top of the plate 2, thus holding the lid or cover tightly in position on the back.

A box fastener of my improved construction is comparatively simple, can be cheaply

manufactured, comprises a minimum number of parts and is applicable for all types of boxes utilizing hinged or removable lids or covers.

5 I claim:

In a box fastener, the combination with a base plate on which is formed a housing, of a catch hook pivotally mounted in said housing, and a U-shaped spring, one end of which  
10 is seated in an aperture in the housing, and

the opposite end bearing against the rear side of the catch hook.

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this 7th day of March, 1910.

CHARLES W. BEEHLER.

Witnesses:

M. L. HART,

JAMES O. BARRETT.