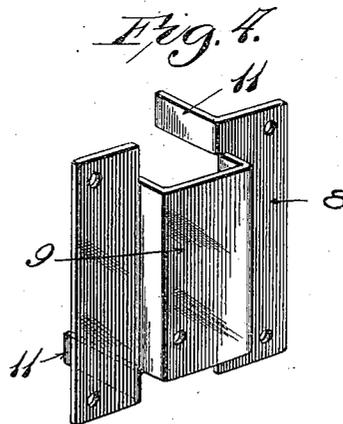
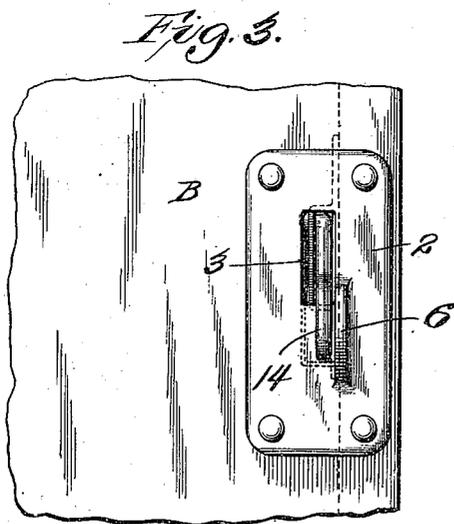
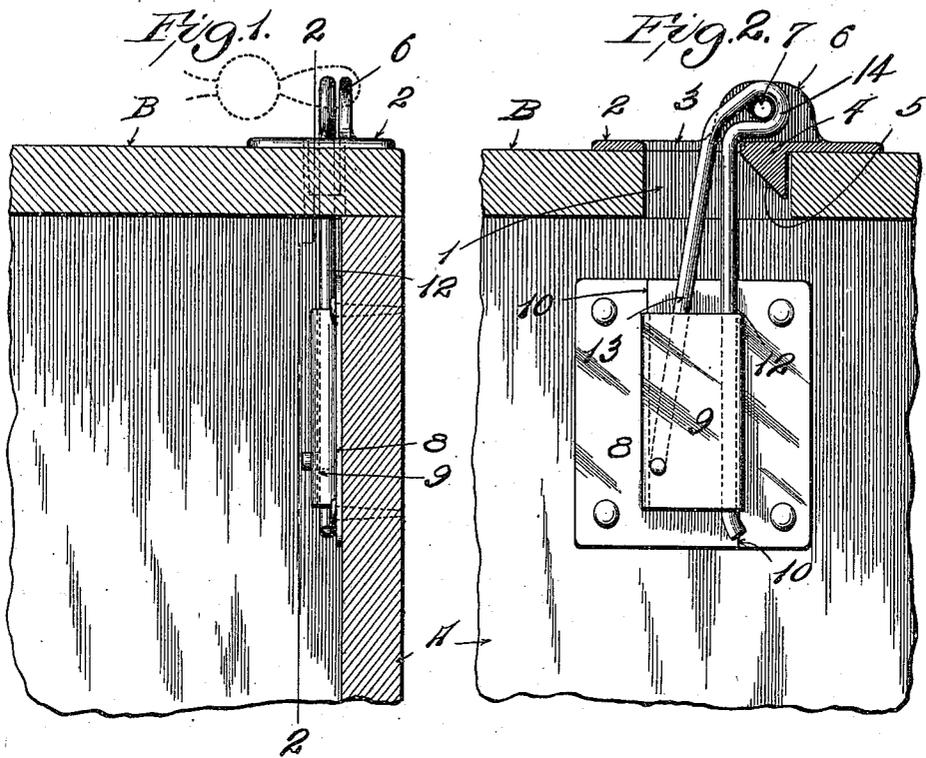


C. W. BEEHLER.
 BOX FASTENER.
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976,026.

Patented Nov. 15, 1910.



Attest:
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UNITED STATES PATENT OFFICE.

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

BOX-FASTENER.

976,026.

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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 in 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, that 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, hereinafter 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 a plan view of a portion of a box, and showing the locking plate which is engaged by my improved keeper. Fig. 4 is a perspective view of the keeper or base plate of my improved device.

Referring by numerals to the accompanying drawings, A designates one of the walls of a box and B the lid or cover thereof. 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 a beveled or inclined face 5. Formed integral with the plate 2 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 suitable sheet metal rectangular in outline, and having its central portion stamped or pressed outward to form a vertically disposed housing 9 in which the lower portion of the spring catch is positioned. When this keeper is formed vertical slits 10 are formed above

and below the housing 9 on opposite sides thereof and the tongues of material 11 immediately above and below said housing are bent rearward as shown in Fig. 4, to permit the lower portion of the spring catch to be readily seated in the housing 9. The plate 8 is rigidly fixed to the inner face of the box wall A, by means of small nails or like fastening devices which pass through suitably formed apertures in said plate 8.

The spring catch forming a part of my improved box fastener is constructed from a single piece of wire having a certain degree of resiliency, the same being bent double so as to form the legs 12 and 13. The center of the length of wire forming this catch is formed into a horizontally disposed loop 14 which engages on top of the plate 2 immediately adjacent the ear 6 when the lid or cover is properly positioned on the box. (See Fig. 2.)

The lower portions of the legs 12 and 13 occupy the housing 9, and the lower end of the leg 13 is bent laterally, and is loosely mounted in an aperture formed through the front wall of said housing 9. The tendency of these legs 12 and 13 is to spread apart and when they are confined within the housing the resiliency tends to force the loop 14 forward, so as to engage on top of the plate 3 when the cover is in position on the box.

When the loop 14 is engaged through the aperture and bears on top of the plate 2 the opening through said loop coincides with the aperture 7 in the ear 6, and when desired a suitable sealing wire can be passed through this aperture and looped as shown by dotted lines in Fig. 1.

After the lower portions of the spring catch are seated in the housing 9 the tongues 11 are bent so as to occupy their original positions, and the plate carrying the spring catch is now ready to be secured to the wall of the box.

A box fastener of my improved construction is comparatively simple, comprises a minimum number of parts and forms an efficient and practical fastening for the lids or covers of all kinds of boxes.

I claim;

1. In a box fastener, a base plate on which is formed a housing, strips integral with the base plate above and below the housing and which strips occupy the same plane with the base plate, and a spring catch formed of a single piece of wire bent double one of the

legs of which spring catch extends through the housing in front of the strips on the base plate, and the end of the opposite leg of the spring being bent laterally and extends
5 through an opening in the housing.

2. In a box fastener, a base plate on which is formed a housing, strips integral with the base plate above and below the housing and which strips occupy the same plane with the
10 base plate, a spring catch formed of a single piece of wire bent double one of the legs of which spring catch extends through the housing in front of the strips on the base

plate, and the end of the opposite leg of the spring being bent laterally and extends
15 through an opening in the housing, and there being a laterally projecting loop formed at the center of the length of wire forming the spring catch.

In testimony whereof I hereunto affix my
signature in the presence of two witnesses,
this 5th day of March, 1910.

CHARLES W. BEEHLER.

Witnesses:

R. L. WILSON,

JAMES O. BARRETT.