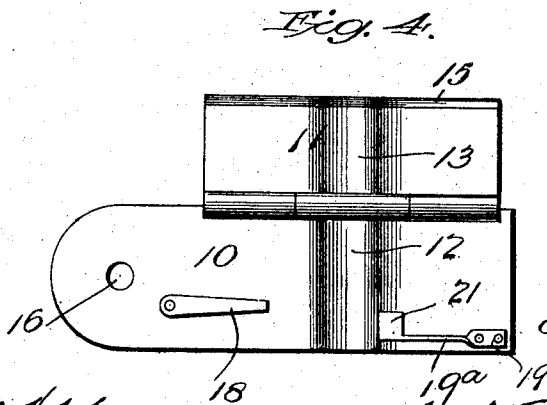
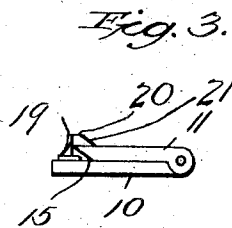
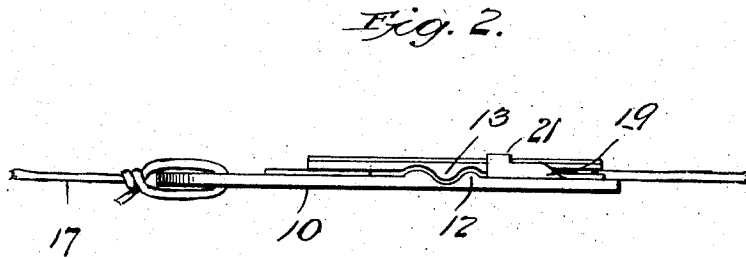
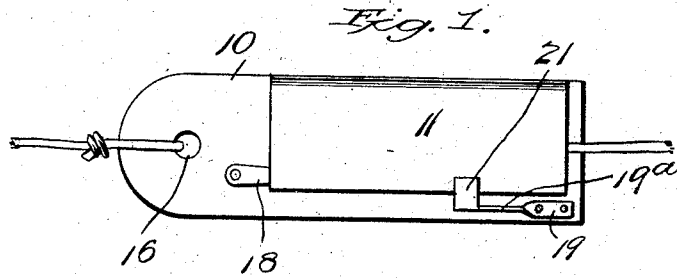


C. E. CHURCHILL.
FASTENER FOR PACKAGES.
APPLICATION FILED JAN. 28, 1909.

947,195.

Patented Jan. 18, 1910.



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UNITED STATES PATENT OFFICE.

CLARENCE E. CHURCHILL, OF DIXIE, IDAHO.

FASTENER FOR PACKAGES.

947,195.

Specification of Letters Patent.

Patented Jan. 18, 1910.

Application filed January 28, 1909. Serial No. 474,662.

To all whom it may concern:

Be it known that I, CLARENCE E. CHURCHILL, a citizen of the United States, residing at Dixie, in the county of Idaho and State of Idaho, have invented new and useful Improvements in Fasteners for Packages, of which the following is a specification.

This invention relates to fasteners for packages, and has specially in view a metallic fastener which will serve to tightly retain a string around a package, and yet at the same time be readily released to permit of the removal of the string when it is desired to open the package.

With the above and other objects in view, the invention contemplates the employment of two hinged leaves, the contacting faces of which are corrugated so as to provide for a nesting of the corrugations of said leaves when brought together and firmly hold a string between such corrugations, one of said leaves being provided with a spring the tension of which is exerted to force the other leaf to an open or string-releasing position and being also provided with a locking lever for normally retaining the two leaves in a string-holding position.

In carrying out the objects of the invention generally stated above, it will be understood that structural changes and arrangements of parts may be resorted to, a preferred and practical embodiment of the same being shown in the accompanying drawings, in which—

Figure 1 is a plan view of the improved fastener, the same being shown in a string-gripping position. Fig. 2 is a side elevation thereof. Fig. 3 is an end view. Fig. 4 is a plan view, showing the fastener in an open, or string releasing position.

Like characters of reference designate corresponding parts in the several figures of the drawings.

Referring to said drawings, the improved fastener has been shown as consisting of an elongated, flat base plate, or leaf 10, one longitudinal edge of which has hinged to it a flat leaf 11, preferably of a smaller size than the leaf 10. The inner faces of the leaf 10 and the leaf 11, are provided with intermediate transversely arranged corrugations 12—13, respectively, which nest together when said leaves are closed, as indicated in Fig. 2 of the drawings. The free longitudinal edge 14 of the leaf 11 is beveled off upon

the front edge of its under surface, as indicated at 15, the purpose of which will presently appear. One end of the leaf 10 has an opening 16 formed through it to receive the end of a fastening string 17, which string in the practical application of the invention is preferably fastened to such opening. A leaf opening spring 18 is also carried by said leaf 10, said spring being preferably, but not necessarily, of the usual flat type which is forced down onto the leaf 10 when the leaf 11 is brought to a closed, or string gripping position, the tension of said spring being sufficient to automatically force the leaf 11 to an open position, when the said leaf 11 is unlatched, as will presently appear. A spring latch is also carried by the leaf 10, said latch being provided at one end with a flat portion 19 which is riveted or otherwise securely fastened to the leaf 10, the other end portion of said latch being twisted, as indicated at 19^a and at its free end carries an outstanding latching lug 20 the front face of which is beveled or inclined as indicated at 21. Said latch is preferably fastened on the leaf 10 at the opposite end portion to that which carries the spring 18, and the angular outstanding latching lug carried thereby is held in the path of movement of the beveled under face of the leaf 11, so that when said leaf 11 is brought down onto the leaf 10, the front edge thereof will first contact with the beveled face of said latching lug, and, owing to the resiliency of the latter, will snap over the same, whereupon said latching lug will engage over the said leaf 11, and thereby hold the same closed against the pressure of the leaf-opening spring, and hold the same in binding engagement with the leaf 10.

In using the improved fastener, the string is first attached to the opening 16 and then looped over the package and then placed over the corrugated face of the leaf 10 and drawn tight. The leaf 11 is then brought down onto the leaf 10 and snapped over the beveled edge of the latching lug, and thereby held with its corrugated face nesting within the corrugations on the face of leaf 10 to tightly clamp the string between the two leaves. To release the fastener, the lever 19 is retracted to free the leaf 11, whereupon the pressure of the spring 18 will raise said leaf 11, and release the string.

What I claim is:—

A package fastener consisting of two leaves having a hinged connection, one of

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said leaves having its front edge beveled on
its under surface, a spring latch carried by
the other leaf and having an outstanding
angular latching lug at its free end provided
5 with a beveled face with which the beveled
edge of the first mentioned leaf contacts and
snaps over when said leaves are brought to-
gether, and a spring for automatically forc-

ing said leaves apart when the latch is re-
moved from its locking position. 10

In testimony whereof, I affix my signature
in presence of two witnesses.

CLARENCE E. CHURCHILL.

Witnesses:

ALFRED FRANKLIN,
LEW BRUNDIGE.