

C. D. KREPS.  
 BINDING CLIP FOR PACKAGES.  
 APPLICATION FILED MAR. 7, 1908.

916,723.

Patented Mar. 30, 1909.

Fig. 1

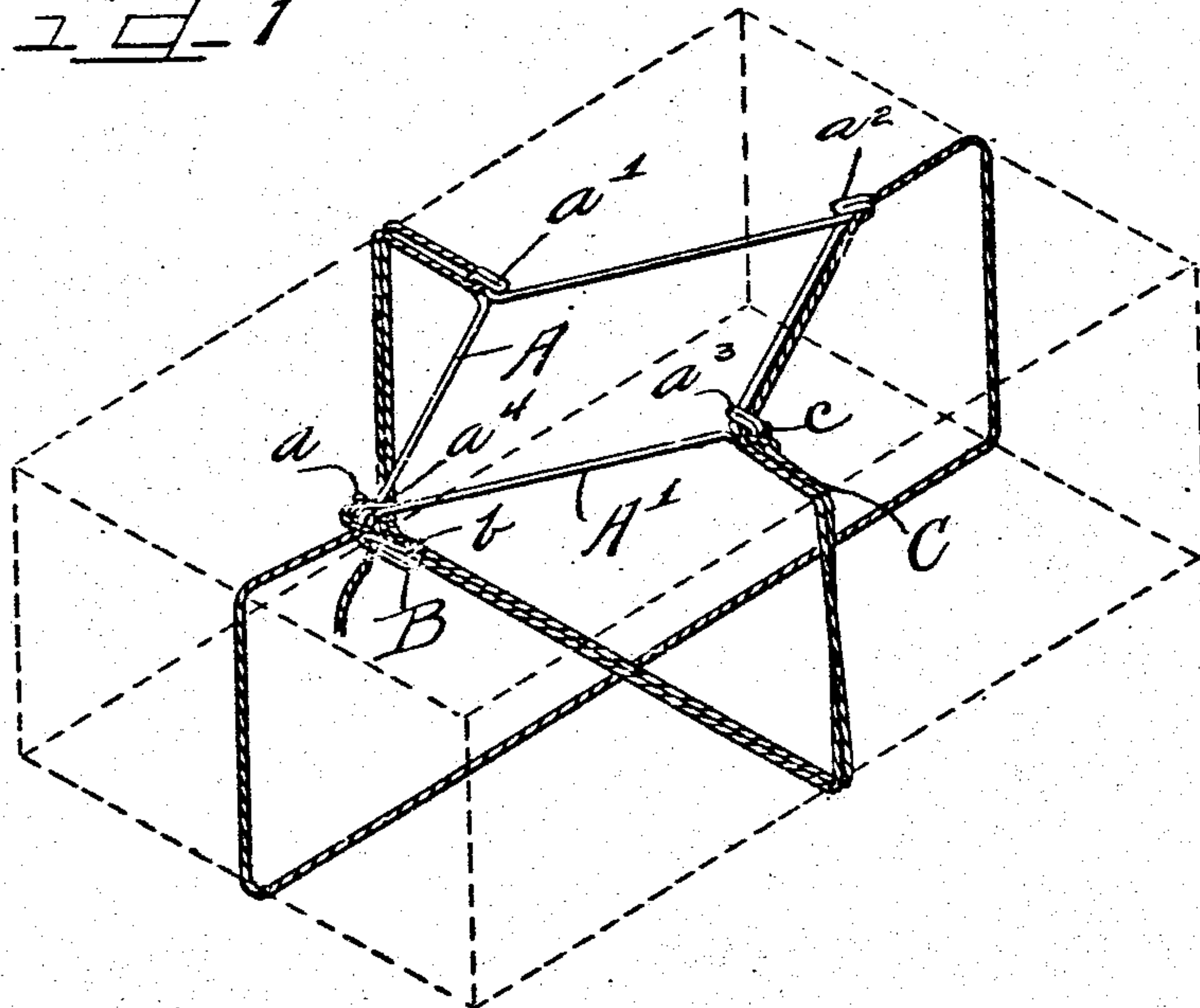


Fig. 2

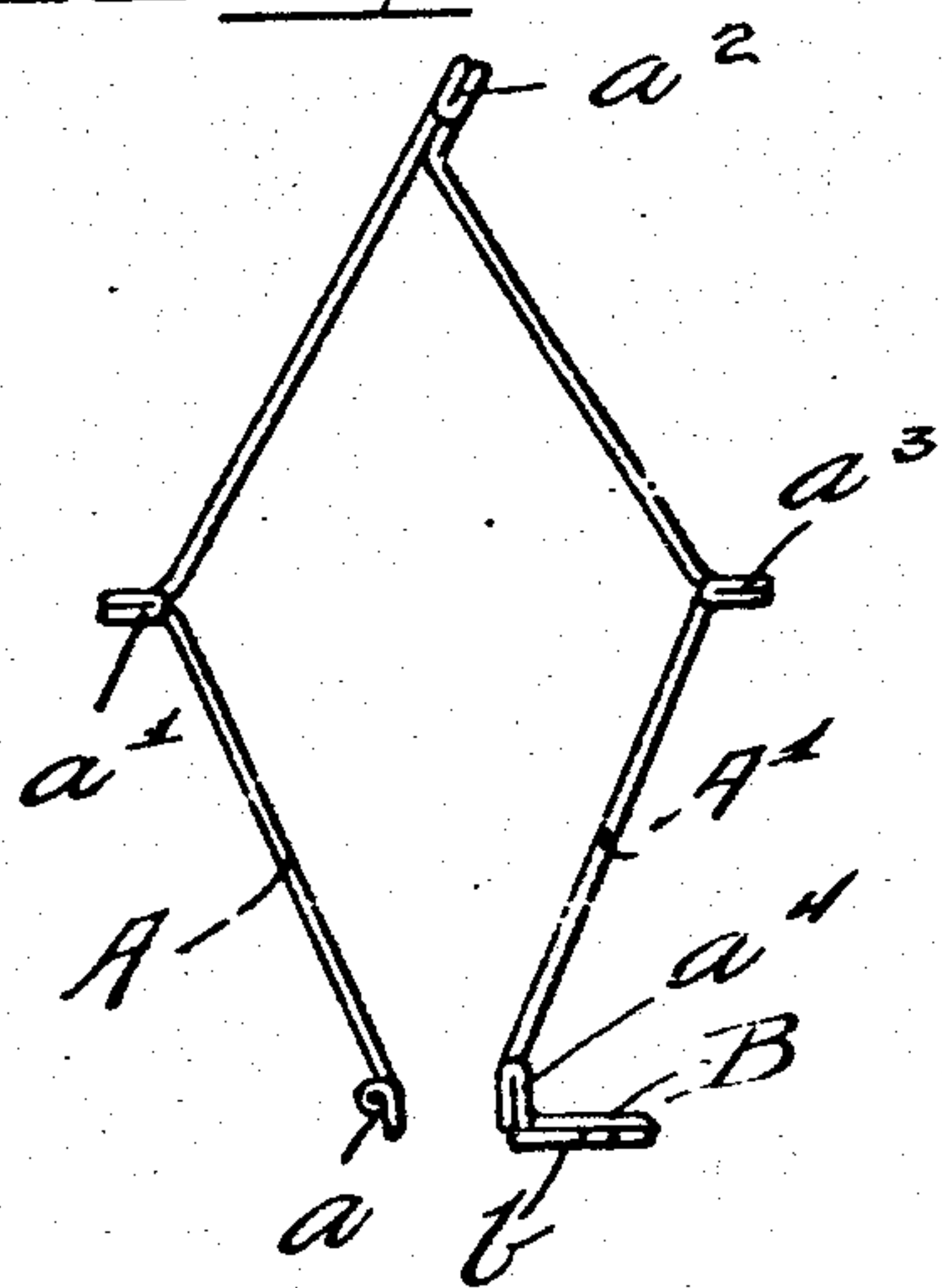


Fig. 3

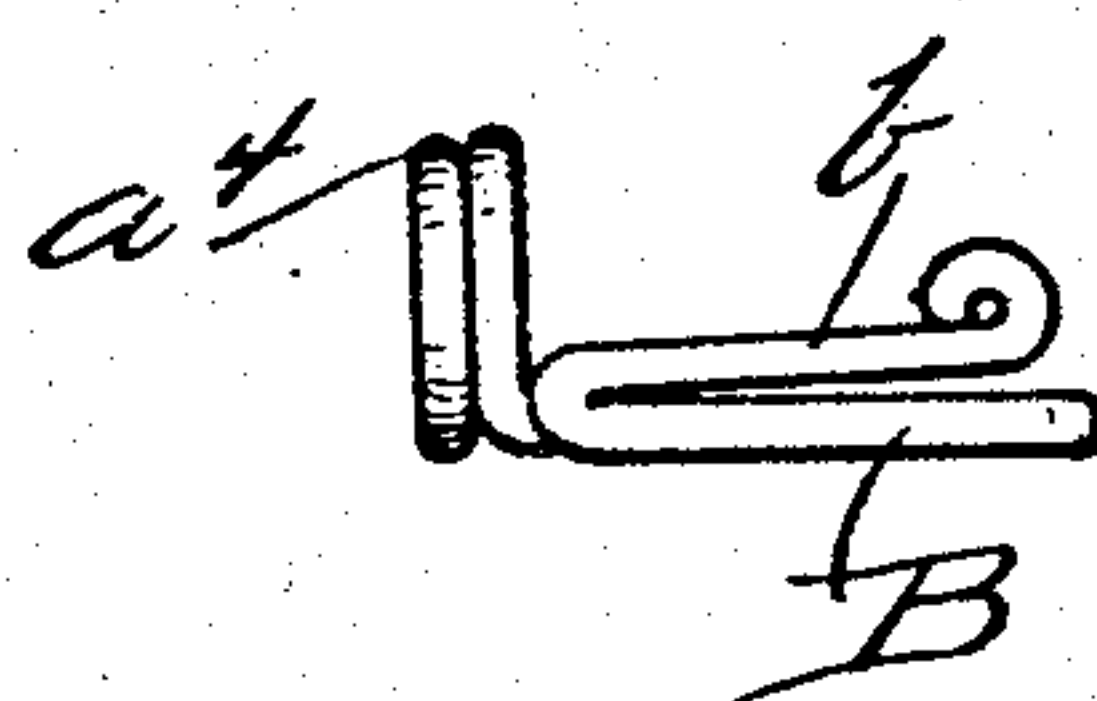
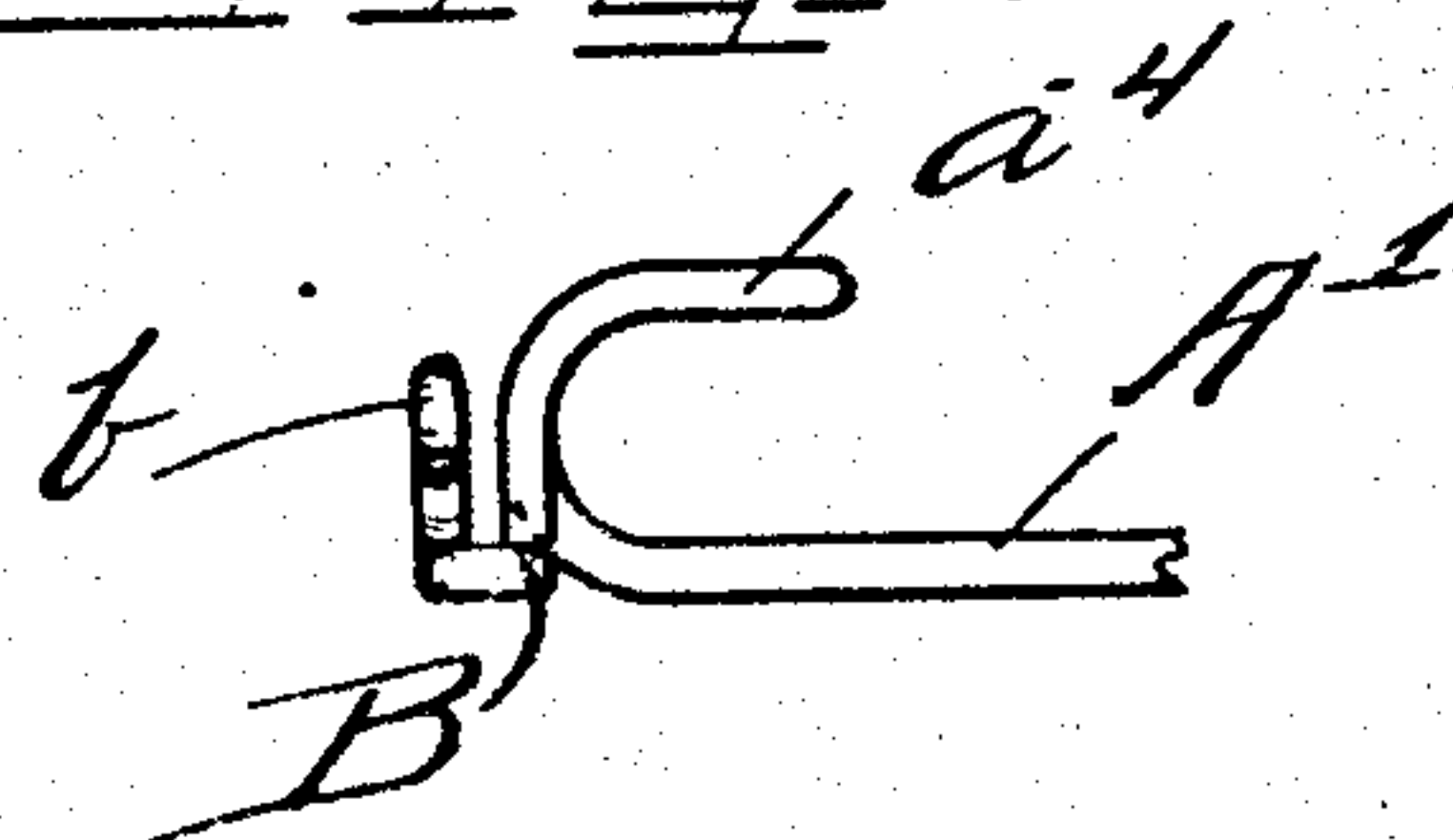


Fig. 4



WITNESSES

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Att'y



# UNITED STATES PATENT OFFICE.

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## BINDING-CLIP FOR PACKAGES.

No. 916,723.

Specification of Letters Patent.

Patented March 30, 1909.

Application filed March 7, 1908. Serial No. 419,822.

*To all whom it may concern:*

Be it known that I, CHARLES D. KREPS, a citizen of the United States, and a resident of Chicago, Cook county, Illinois, have invented certain new and useful Improvements in Binding-Clips for Packages; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference thereon, which form a part of this specification.

The object of my invention is to afford a package tying clip having a string or cord attached thereto and adapted for use any number of times in quickly securing packages of letters, mail matter or any other material without the necessity of tying or in any manner injuring or destroying the string when removing and enabling the same string to be used indefinitely.

It is also an object of my invention to afford a resilient clip adapted when in use to exert considerable tension upon the cord to keep the same tight.

The invention consists in the matters hereinafter described and more fully pointed out and defined in the appended claims.

In the drawings: Figure 1 is a perspective view of a package, shown in dotted lines, in which a clip and cord embodying my invention are shown in full lines. Fig. 2 is a face view of the clip with the cord detached. Fig. 3 is an enlarged side elevation of the grip for engaging the otherwise free end of the cord. Fig. 4 is a fragmentary side elevation of the gripping end of the clip.

As shown in the drawings: the clip is constructed of a piece of wire bent or shaped approximately to a diamond shape with the ends A--A' free and spread some distance apart. At each angle and at each extremity of the clip are provided means for detachably engaging a cord. The wire forming said clip, if wire be used, is provided at the end A, with a hook  $a$ , directed inwardly or toward the opposite end of the clip. At the adjacent angle in said clip is provided an upwardly and inwardly directed hook  $a'$ , and at the extremity of the clip opposite to the free ends A--A' is provided the upwardly and obliquely inwardly directed hook  $a^2$ , which is directed toward the hook  $a'$ . Opposite the hook  $a'$  is a corresponding inwardly and upwardly directed hook  $a^3$ . The end A' of the bar or rod is provided with a hook  $a^4$ , directed toward

the hook  $a^2$ , at the opposite end of the clip. The end of the bar or wire having formed said hook is directed downwardly in a plane with the bottom of the clip and laterally affording a lower clamping member B, and is then bent to afford a loop returning to the hook  $a^4$  and then upwardly and laterally affording a tongue  $b$  lying over the clamping member B, and affording a complementary gripping member.

One end  $c$  of a cord C, is tied or otherwise permanently secured to the hook  $a^3$ , and the clip having been laid on the package to be secured thereby, the cord is now carried under and around the package and engaged in the hook  $a'$  on the opposite side of the clip. It is then returned around the package and passed through the hook  $a^3$ , and through the hook  $a^2$ , as shown in Fig. 1. The cord is then drawn longitudinally around the package and drawn from the outer side into the loop  $a^4$ , and laterally and into and around the hook  $a$  and thence between the complementary jaws B  $b$ , which firmly clamp the end in place but permit the same to be released when it is desired to open the package.

Obviously it is not essential that the hooks be arranged exactly as described and details of construction may be varied within the scope of the appended claims without departing from the principles of my invention.

I claim as my invention:

1. A clip of the class described comprising a metallic member having oppositely disposed, transversely directed hooks integral therewith, hooks directed longitudinally of the clip, one of said hooks directed toward one of the transverse hooks, a cord engaged to said clip adapted to be engaged in the hooks successively when drawn around a package and integral gripping means on the clip adjacent one of the hooks for engaging the otherwise free end of the cord.

2. A clip constructed of wire having free ends, a hook formed at each free end of the wire directed longitudinally of the clip, a clamp formed at one free end of the wire and directed transversely of the adjacent hook, hooks formed by the wire centrally of the clip and oppositely disposed and a hook formed by the wire opposite the hooks at the free ends thereof.

3. A device of the class described embracing a resilient substantially quadrilateral clip having oppositely arranged hooks thereon



and free ends, a cord engaged to the clip and successively drawn around the package and through the hooks with the end secured at the otherwise free ends of the clip.

5 4. A device of the class described embracing a resilient, substantially quadrilateral clip constructed of a rod or wire and having oppositely arranged hooks or loops thereon, a cord engaged to the clip and adapted to be  
10 successively drawn around the package and through the hooks and attached at its normally free end at the resilient end of the clip.

5. A clip constructed of a wire formed at one end to provide a hook and coacting jaws,  
15 a plurality of hooks formed between said hook and the opposite end of the wire, two of said hooks oppositely disposed and directed inwardly and a hook formed at the

end of the wire opposite the first named hook and positioned adjacent said first named 20 hook.

6. In a device of the class described a wire formed to provide a rhombic clip with the ends of the wire forming one angle of the rhombus, a hook at each corner of the rhom- 25 bic clip, a hook at each end of the wire and coacting jaws integral with and outside of the clip.

In testimony whereof I have hereunto subscribed my name in the presence of two sub- 30 scribing witnesses.

CHARLES D. KREPS.

Witnesses:

CHARLES W. HILLS,  
K. E. HANNAH.