

No. 754,606.

PATENTED MAR. 15, 1904.

E. F. PRIDDAT.
TIE FASTENER.

APPLICATION FILED DEC. 22, 1902.

NO MODEL.

Fig. 1.

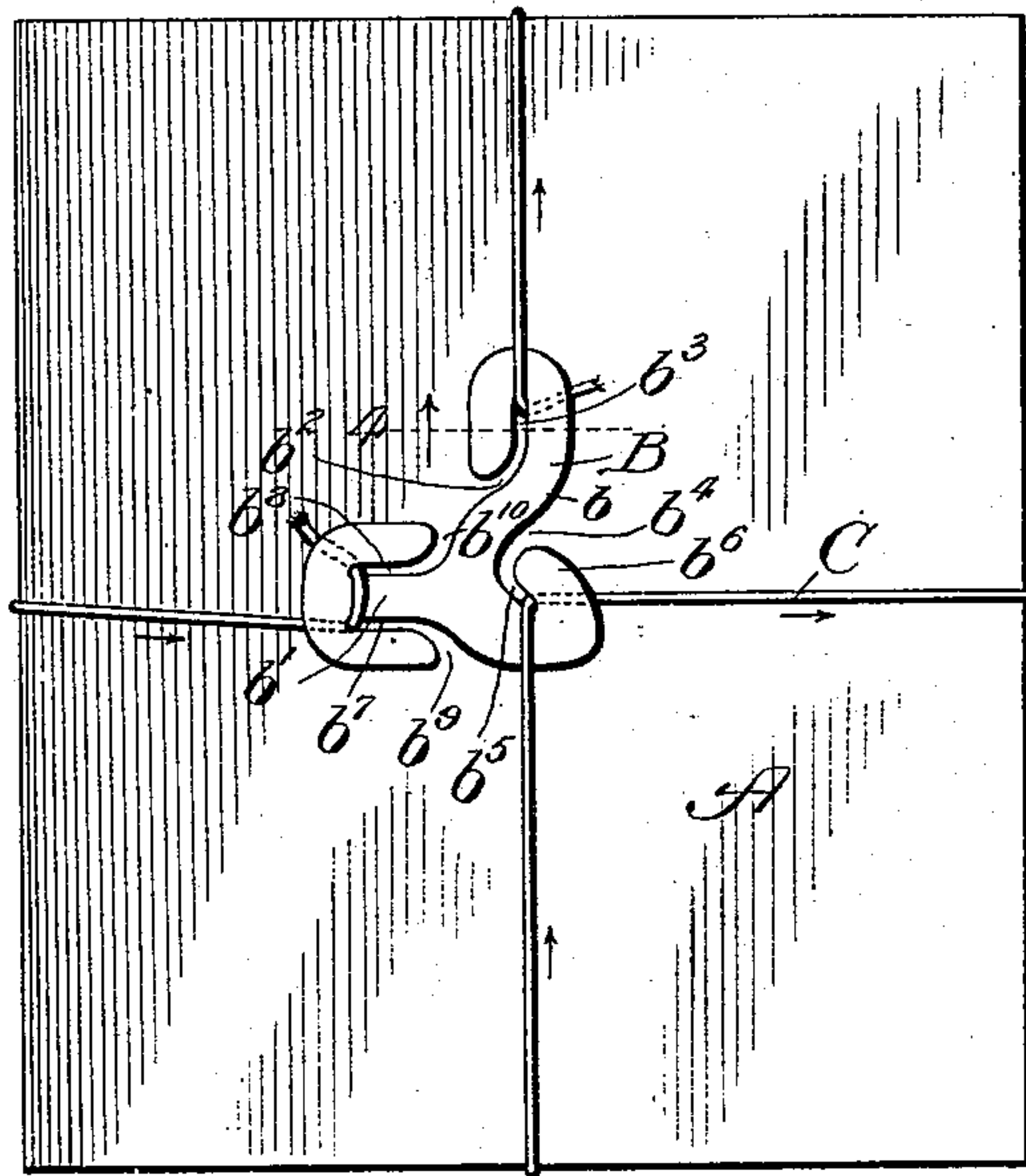


Fig. 2.

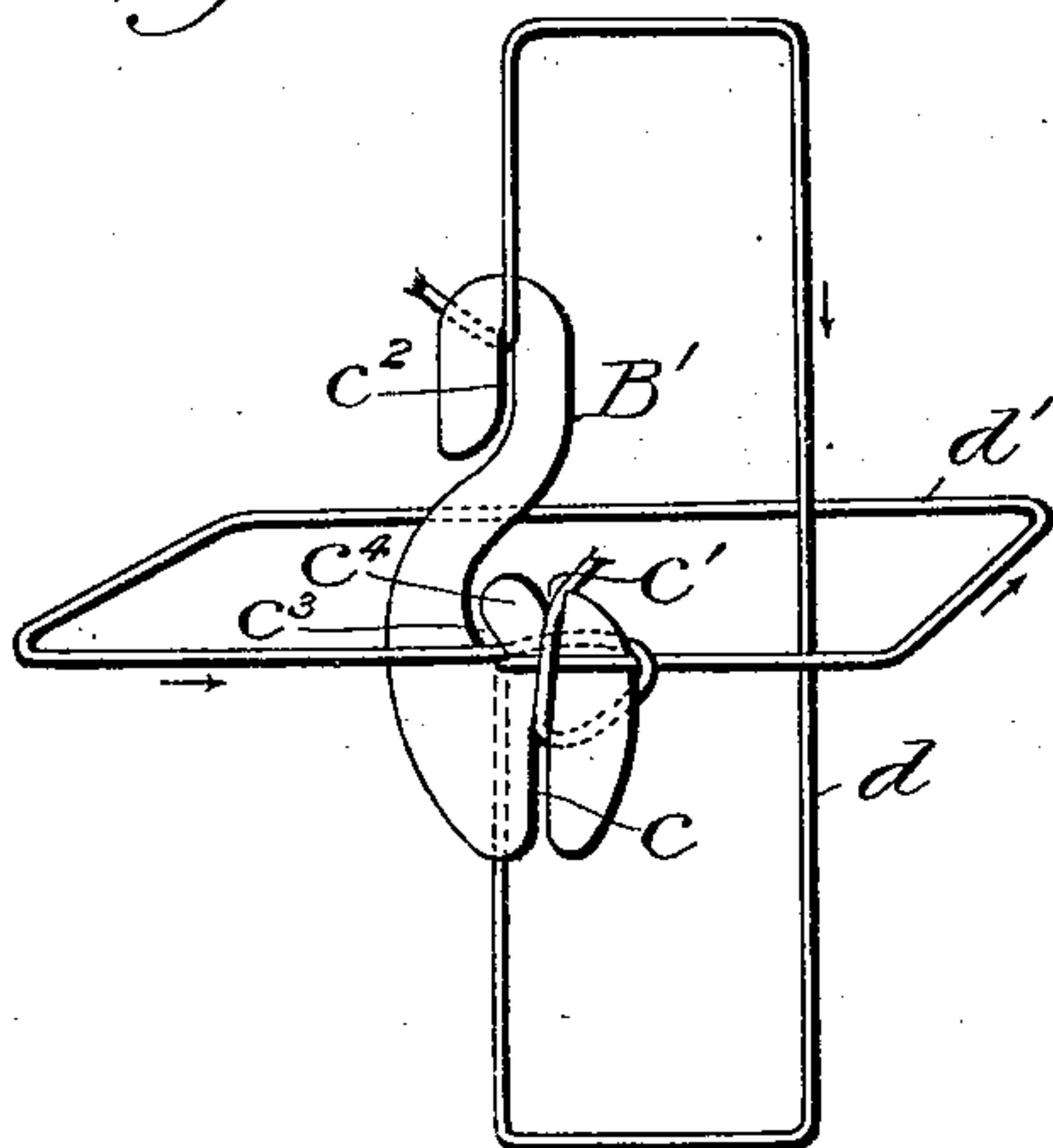


Fig. 3.

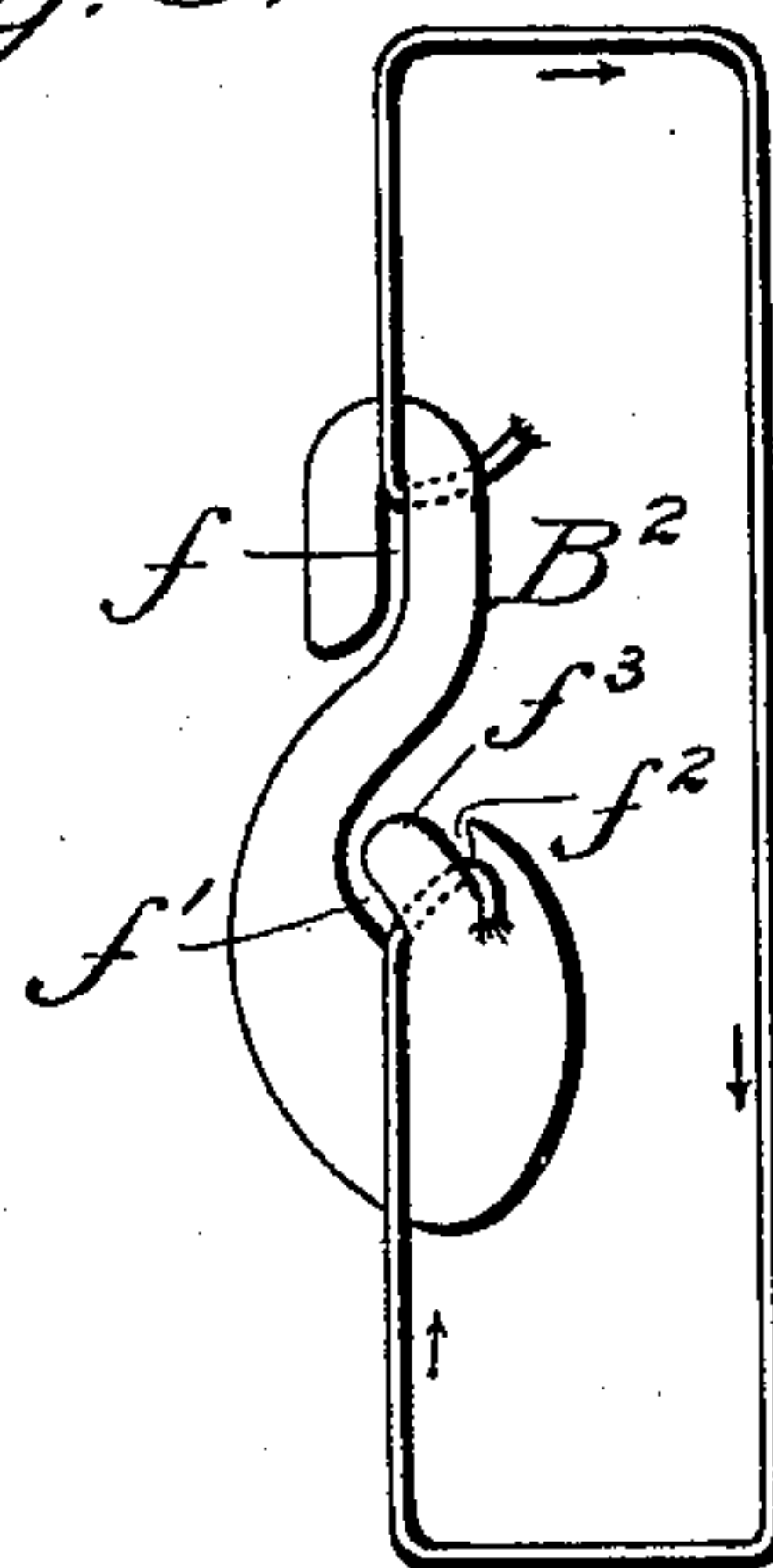
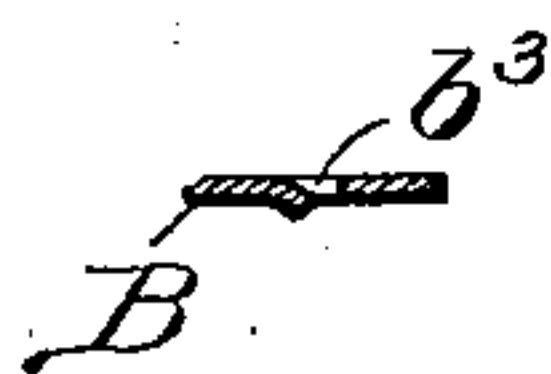


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

ERNST F. PRIDDAT, OF CHICAGO, ILLINOIS.

TIE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 754,606, dated March 15, 1904.

Application filed December 22, 1902. Serial No. 136,232. (No model.)

To all whom it may concern:

Be it known that I, ERNST F. PRIDDAT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Tie-Fasteners, of which the following is a specification.

My invention relates particularly to fasteners adapted for use in tying loose or yielding bundles or packages, such as laundry-packages; and my primary object is to provide an exceedingly simple and cheap fastener of this character.

The invention is illustrated in its preferred form in the accompanying drawings, in which—

Figure 1 is a plan view of a package secured by a tie in which my improved fastener is employed; Fig. 2, a view of a modification of the fastener in connection with a perspective view of a cord, illustrating the way in which the tie is formed; Fig. 3, a similar view of a still further modification, and Fig. 4 a section taken as indicated at line 4 of Fig. 1.

In the construction shown in Fig. 1, A represents a package, B my improved fastener, and C a cord employed in connection with the fastener.

In the form shown in Fig. 1 the fastener comprises a substantially reversed-S-shaped portion b and a lateral T-shaped projection b' . The upper portion of the part b affords at its left-hand edge a recess b^2 , into which opens an upwardly-extending twine-gripping slot b^3 . The lower portion of the part b affords at its right-hand edge a recess b^4 , into which opens a downwardly and to the right inclined or oblique twine-gripping slot b^5 , thus providing a hook b^6 , over which the direction of the cord may be changed. The slots b^3 b^5 are located close to the axis of the part b . The part b' has two twine-gripping slots b^7 b^8 , which open into recesses b^9 b^{10} , respectively, at the base of the T b' .

In forming the tie shown in Fig. 1 one end of the cord is passed through the slot b^3 and gripped thereby, after which the cord is passed longitudinally about the package and drawn somewhat tightly prior to insertion into the

slot b^5 . After the cord is inserted in the slot b^5 the first loop has sufficient tightness for yielding bundles of this sort. The transverse loop of the bundle may then be formed by passing the cord about the bundle in the manner indicated by the small arrows and then entering the cord into the slots b^7 b^8 , at the latter of which the cord may be snapped. Sufficient tightness is secured in the transverse loop by the expedient already described.

In the construction shown in Fig. 2, B' represents a fastener of modified form having the same general form as the device shown in Fig. 1, but with the lateral T-shaped extension b' omitted, and having a twine-gripping slot c at its lower end portion and a twine gripping and severing notch c' opposed to the slot c . In this construction there is a slot c^2 corresponding with the slot b^3 and a slot c^3 corresponding with the slot b^5 . The slot c is beneath and a little to one side of the slot c^3 . The notch c' is in the hook c^4 corresponding with the hook b^6 . In this construction one end of the cord is secured in the slot c^2 . The cord is then passed longitudinally about the bundle to form the loop d , the cord being drawn through the slot c^3 from below. The cord is then passed transversely about the bundle to form the loop d' , then through the slot c^3 from above, then through the slot c from below, then through the notch c' from above, where the cord is snapped.

The construction shown in Fig. 3 is particularly adapted to making a simple loop, as shown. It may, however, be used in making the two loops shown in the other figures. It consists of a member B² of the same general form as the member B' and having twine-gripping slots f f' , corresponding, respectively, with the slots c^2 c^3 , and having a twine gripping and severing notch f^2 , located on the hook f^3 , corresponding with the hook c^4 . The twine is applied in the manner indicated by the small arrows. One end of the twine is passed through the slot f , after which the longitudinal loop is formed and the twine is passed through the slot f' from above, thence through the notch f^2 from below, where the twine is snapped.

Fig. 4 illustrates the preferred construction of the twine-gripping slots, this figure representing a section taken on line 4 of Fig. 1. As shown, a lateral margin of the slot is bent
5 downwardly, thereby affording a spring or yielding tongue.

In each construction where it is desired to employ the fastener in connection with the two-loop tie it is essential that the lower slot
10 (b^5 , c^3 , or f' , as the case may be) shall be inclined laterally somewhat or oblique, so as to afford an inwardly-directed hook at the right-hand edge, over which the direction of the cord may be changed.

15 Changes in minor details within the spirit of my invention may be made. Hence no undue limitation should be understood from the foregoing detailed description.

What I regard as new, and desire to secure
20 by Letters Patent, is—

1. A fastener of the character described, comprising a thin flat member provided with twine-gripping slots cut therein and opening at the edges some distance from the extremi-
25 ties and extending in opposite general directions toward the extremities, one of said slots being oblique to the other and forming an inwardly-directed hook and serving to grip and retain the cord when the latter is passed trans-

versely about the package, for the purpose 30 set forth.

2. A fastener comprising a thin flat elongated member having two lateral recesses cut therein with opposed twine-gripping slots opening thereat and extending toward oppo- 35 site ends of the members, one of said slots being oblique to the other to form an inwardly-directed hook, and a third twine-gripping slot through which the cord may be passed after leaving the oblique slot, for the purpose set 40 forth.

3. A fastener, comprising a thin flat member having lateral recesses and opposed twine-gripping slots opening thereat and extending toward opposite ends of the member, and hav- 45 ing a lateral extension equipped with a twine-gripping slot, for the purpose set forth.

4. A fastener, comprising a thin flat member having lateral recesses and opposed twine-gripping slots opening thereat and extending 50 toward opposite ends of the member, and having a lateral T-shaped extension with twine-gripping slots at opposite sides of its shank, for the purpose set forth.

ERNST F. PRIDDAT.

In presence of—

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ALBERT S. BACCI.