

No. 677,030.

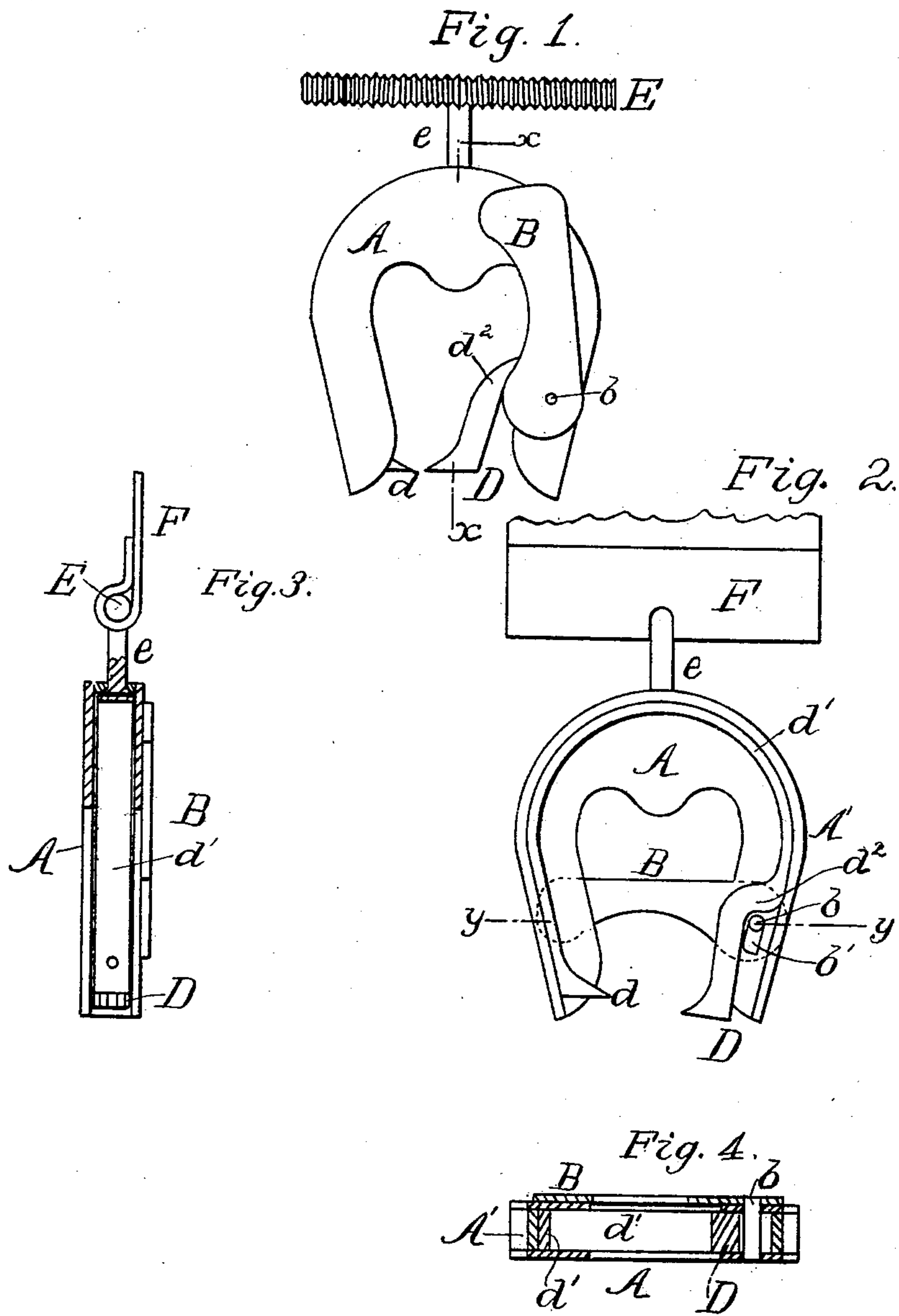
Patented June 25, 1901.

P. HAHN.

SUSPENDER CLIP.

(Application filed Oct. 8, 1900.)

(No Model.)



WITNESSES

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UNITED STATES PATENT OFFICE.

PAUL HAHN, OF NEWPORT NEWS, VIRGINIA.

SUSPENDER-CLIP.

SPECIFICATION forming part of Letters Patent No. 677,030, dated June 25, 1901.

Application filed October 8, 1900. Serial No. 32,346. (No model.)

To all whom it may concern:

Be it known that I, PAUL HAHN, a citizen of the United States, and a resident of Newport News, county of Warwick, and State of Virginia, have invented certain new and useful Improvements in Suspender-Clips, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to improvements in suspender-clips.

The nature and object of the invention will be fully understood from the following general description and the annexed drawings and will be subsequently pointed out in the claim.

Figure 1 is a side view of my newly-invented suspender-clip made on a large scale more effectually to illustrate the mechanism. Fig. 2 is a side view of the same with a part of the casing removed to better display the mechanism. Fig. 3 is a sectional view taken on the line $x x$ of Fig. 1. Fig. 4 is a sectional view taken on the line $y y$ of Fig. 2.

The casing $A A'$, which is preferably to be made of light sheet metal, is in general contour approximately U-shaped. In cross-section this casing is three sides of a rectangle, the open side being within all round. Within this casing is placed the spring $D d' d$, which conforms to the contour of the casing through nearly its whole length. At d^2 this spring is bent to accommodate the lug b' ; as more fully hereinafter set forth. D and d are sharp edges of the ends of the spring, adapted to engage a textile fabric placed between them. This spring may be made of any resilient metal, but I prefer to make it of steel.

B designates a plate of sheet metal, which is mounted on the revoluble pin b . This pin b passes entirely through the casing $A A'$, and on it within the casing is mounted the lug b' . When the lever-plate B is moved, it moves with it the pin b and the lug b' to operate the spring $D d' d$, as hereinafter more fully described. The post e is attached to the casing $A A'$ by a swivel-joint. This post is surmounted by the cross-bar E , which is rigidly

attached to it and has a serrated surface, as illustrated. This serrated surface is provided in order that when the bar E is sewed on the thong F of a suspender it may more effectually engage the thread. All the various parts of the device are to be substantially as hereinbefore illustrated and described.

To use my invention, the bar E is, as aforesaid, to be sewed on one end of the thong F of a suspender, as illustrated in Figs. 2 and 3. There should be one for each thong of the suspenders. When the suspenders have been laid over the shoulders of the wearer in the common and well-known way and the parts of the mechanism arranged in the position illustrated in Fig. 2, the casing is pushed downward over the upper edge of the waistband of the wearer's pants, so that one arm of the casing will come on each side of the edge of the waistband, one on the inside and one on the outside. As soon as the clip has been slipped on far enough to obtain a firm hold the lever-plate B is turned to the position illustrated in Fig. 1. This by reason of the mechanical connection of the parts causes the lug b' to engage the spring $D d' d$ and push the point or edge D forward toward the edge or point d , thus binding the fabric of the waistband between the two edges or points. The device so arranged will hold firmly to the waistband and will be found to replace buttonholes and suspender-buttons with a much better and more handy device. When it is desired to release the suspenders from the waistband, the lever-plate B is returned to the position illustrated in Fig. 2, and then the various parts will take the positions there illustrated and the clip will be free to come off of the waistband.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a suspender-clip, the combination with a U-shaped casing, a bent spring within said casing, edges on the ends of said spring adapted to engage a textile fabric, a lever-plate pivoted on said casing, a revoluble pin passing through said casing, whereon said lever-plate is mounted, a lug within said casing mounted on said revoluble pin, and adapted and arranged to engage said spring when

said lever-plate is turned, of a post connected
by a swivel-joint to said casing, a cross-bar
mounted on said post, a serrated surface on
said bar, and the thong of a suspender fas-
5 tened to said bar, all substantially as and for
the purpose set forth.

In testimony that I claim the foregoing as

my invention I have signed my name, in pres-
ence of two witnesses, this 6th day of Septem-
ber, 1900.

PAUL HAHN.

Witnesses:

C. E. W. DONALD,
A. A. WILLIAMS.