

(No Model.)

J. F. MOLLOY.
SUSPENDER BUCKLE.

No. 551,595.

Patented Dec. 17, 1895.

Fig 1

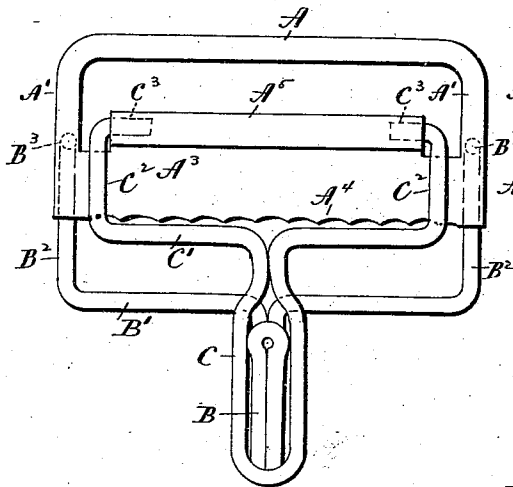


Fig 2

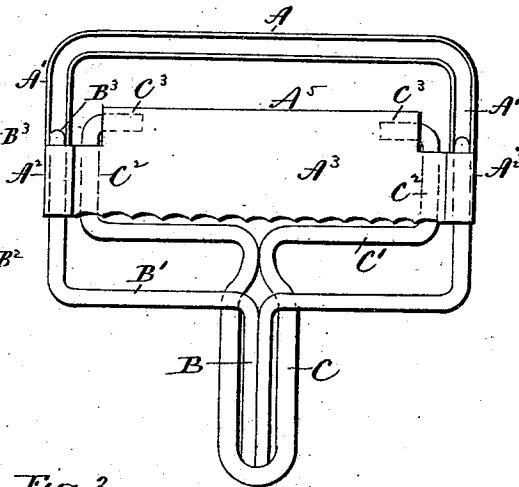
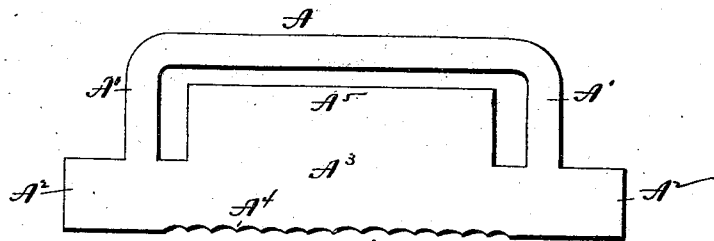


Fig 3



Witnesses.

J. H. Shumway.
Lillian D. Kellogg.

James F. Molloy.
Inventor.

By atty.
Earle Raymond

UNITED STATES PATENT OFFICE.

JAMES F. MOLLOY, OF WEST HAVEN, CONNECTICUT.

SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 551,595, dated December 17, 1895.

Application filed September 30, 1895. Serial No. 564,109. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. MOLLOY, of West Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Suspender-Buckles; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a view in front elevation of a buckle constructed in accordance with my invention; Fig. 2, a similar rear view thereof; Fig. 3, a detached plan view of the sheet-metal blank from which the upper member of the frame is formed.

My invention relates to an improvement in suspender-buckles, the object being to produce at a low cost for manufacture a simple, strong, convenient and effective article in which the number of parts is reduced to the minimum.

With these ends in view my invention consists in a suspender-buckle having its frame composed of an upper and a lower member, of which the upper member is made of sheet metal and includes an integral cross-bar, and in which the lower member is made of wire and attached to the upper member, and also having a lever pivotally connected with the upper member.

My invention further consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In carrying out my invention, as herein shown, the upper member of the buckle-frame is made from a single piece of sheet metal and includes an upper bar A and two corresponding end bars A' A', terminating at their lower ends in aligned vertically-arranged sockets A² A². The said upper member of the buckle-frame also includes an integral cross-bar A³, located in line with the sockets A² A² and connected by the lower extremities of the end bars A' A'. The lower edge of the cross-bar is turned forward and provided with a series of teeth A⁴, while its upper edge is constructed with a long tube or socket A⁵, extending nearly throughout

the length of the bar. For the sake of stiffness and also to enhance the appearance of the buckle, the side bar A and the short end bars A' A' of the upper member are struck up into concavo-convex form, as clearly shown in Fig. 2, the convex surfaces of the said portions facing outward and their concave surfaces facing inward. Fig. 3 shows the blank from which such an upper member as described may be formed, and its several features have been correspondingly lettered.

The lower member of the buckle-frame is composed of a single piece of wire bent into the required form and comprises a depending hook B, a lower side bar B' and two corresponding upwardly-extending end bars B² B², the upper ends of which extend upward through the sockets A² A² before mentioned, whereby the two members of the buckle-frame are secured together. As herein shown, the extreme upper ends of the end bars B² B² are bent over, as at B³ B³, so as to engage with the upper ends of the sockets and prevent them from being drawn out of the same; but other means than those shown may be employed for rigidly connecting the two members of the buckle-frame together. The lever of the buckle is also made of wire and comprises a loop C, adapted to snap over the hook B before mentioned, a lower side bar C', and two corresponding end bars C² C², the ends of which are turned inward to form trunnions C³ C³, which are entered into the opposite ends of the long tube A⁵, formed upon the upper edge of the cross-bar, which, as before mentioned, is formed integral with the sheet-metal upper member of the buckle-frame.

It will be seen from the foregoing that my improved buckle contains but three pieces, although it has the general appearance and the functions of a buckle containing a greater number of parts. It is extremely strong and effective in use, and on account of the simplicity and fewness of its parts may be produced at a low cost.

It is apparent that in carrying out my invention some changes in the construction herein shown and described may be made, and I would therefore have it understood that I do not limit myself to the exact construction set forth, but hold myself to make such

changes therein as fairly fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a suspender-buckle, the combination with a buckle-frame consisting of an upper and lower member, of which the upper member is made of sheet-metal and includes an integral cross-bar, and of which the lower member is made of wire and rigidly connected with the upper member; of a lever pivotally connected with the sheet-metal upper member of the frame, substantially as described.

2. In a suspender-buckle, the combination with a buckle-frame, consisting of an upper and lower member, of which the upper member is composed of sheet-metal and includes an integral cross-bar, and of which the lower member is made of wire and rigidly connected with the upper member; of a lever pivot-

ally connected with the sheet-metal cross-bar of the upper member, substantially as set forth.

3. In a suspender-buckle, the combination with a buckle-frame consisting of an upper and a lower member, of which the upper member is made of sheet-metal and includes an integral cross-bar having its lower edge toothed and its upper edge provided with a tube or socket; of a lever, the ends of which are bent to form trunnions to enter the ends of the tube or socket for pivotally connecting the lever with the cross-bar, and hence with the upper member of the buckle-frame, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAS. F. MOLLOY.

Witnesses:

FRED. C. EARLE,
LILLIAN D. KELSEY.