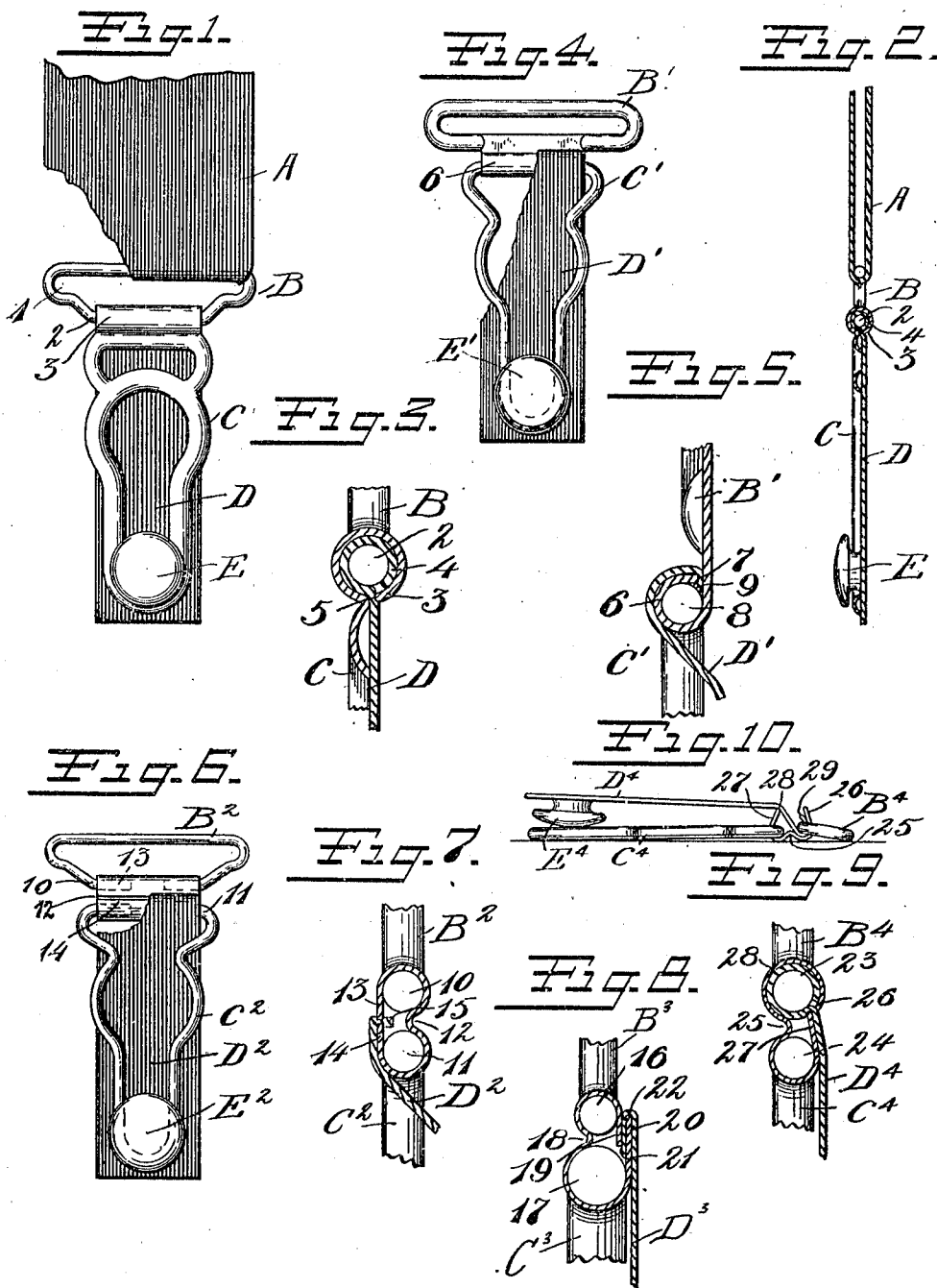


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 BUTTON CLASP.  
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953,120.

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# UNITED STATES PATENT OFFICE.

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## BUTTON-CLASP.

953,120.

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To all whom it may concern:

Be it known that I, MATTHEW F. BURNS, a citizen of the United States, residing at Derby, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Button-Clasps, of which the following is a specification.

My invention relates to button clasps but more particularly to the manner of fastening the extremity of the button tab.

The object of my invention is to provide a device of this character in which the tab is permanently secured without resorting to the expedient of sewing or stitching.

With this and other objects in view my invention consists in the details of construction and manner of operation fully set forth in the following description and accompanying drawings in which like reference characters refer to corresponding parts.

In the drawings: Figure 1 is a front view of my improved clasp a part of the supporting webbing being broken away; Fig. 2, a central vertical section of Fig. 1; Fig. 3, an enlarged fragmentary view of the pivotal connection shown in Fig. 2; Fig. 4, a front view of a modification; Fig. 5, an enlarged fragmentary view of the pivotal connection shown in Fig. 4; Fig. 6, a front view of a further modification; Fig. 7, an enlarged fragmentary view of the pivotal connection shown in Fig. 6; Figs. 8 and 9, enlarged fragmentary views of the pivotal connections of further modifications, and Fig. 10, a sectional view of the parts during the process of assembling the modification shown in Fig. 9.

Referring to Figs. 1, 2 and 3 the clasp, which is shown loosely mounted on the looped extremity of the supporting strap A, consists of the base loop B, button loop C and button tab D which latter is made of fabric and carries a button E. The base loop B, which is made of wire, is provided with an opening 1 for the passage of the supporting strap A and is also provided with a lower side 2. The button loop C, which is made of sheet metal, is provided at its upper extremity with a projecting tongue or strap 3 which latter is bent or curled around the lower side 2 of the base loop B to form a pivotal bearing inside of which the extremity 4 of the button tab D is folded around the lower side 2 of the base loop B and is

firmly secured by being pinched between the edge 5 of the tongue 3 and the body portion of the button loop C. The folding of the extremity 4 of the tab around the lower side 2 of the base loop not only assists in fastening the tab but also forms a bushing of fabric material between the lower side 2 and the curled tongue 3 which gives a tighter bearing and a more desirable pivotal action than the metal surface presented by the curled tongue.

Referring to the modification shown in Figs. 4 and 5 the sheet metal base loop B' is provided on its underside with a projecting tongue or strap 6 having an edge 7. The tongue 6 is curled around the top side 8 of the wire button loop C' forming a pivotal bearing. The extremity 9 of the tab D' is firmly secured by being pinched between the edge 7 and the front face portion of the base loop B'. The button end of the tab is passed rearwardly in under the bearing and down the rear side of the loop C', and the button E' coöperates with the button loop in a well known manner. When the tab is fastened to the front side of the clasp as shown in this modification the threading of the button end in under the bearing serves to relieve the strain on the confined extremity.

Referring to the modification shown in Figs. 6 and 7 the lower side 10 of the wire base loop B<sup>2</sup> is pivotally connected to the top side 11 of the button loop C<sup>2</sup> by means of the sheet metal binder or strap 12. The opposite extremities 13 and 14 of the binder are curled around the sides 10 and 11 respectively of the base and button loops their respective edges meeting substantially to grip or pinch the extremity 15 of the tab D<sup>2</sup> between them. The button end of the tab is passed in under the binder and down the rear side of the loop in the preceding modification.

In Fig. 9 the lower side 16 of the wire base loop B<sup>3</sup> is pivotally connected to the top side 17 of the button loop C<sup>3</sup> by means of the binder 18 which is shown reversed so as to fasten the extremity of the tab D<sup>3</sup> on the rear instead of the front side of the clasp as in Figs. 1 and 2. The extremities or straps 19 and 20 of the binder are made sufficiently long to enable them to overlap and compress or grip the extremity 21 of the tab between them. By arranging the extremities of the binder so that the edge 22 of the upper pro-

jecting strap is on the outside, the tab will pass over this edge which serves not only to keep the tab uniformly spread but also to relieve the strain upon the extremity which is confined between the straps.

In Fig. 10 the lower side 23 of the wire base loop B<sup>4</sup> is pivotally connected to the top side 24 of the button loop C<sup>4</sup> by means of the binder 25. In assembling the parts of the binder is first bent up as shown in Fig. 10 to form a pair of open bearings into which is placed respectively the lower side 23 of the base loop and the top side 24 of the button loop, the extremity 29 of the tab D<sup>4</sup> being first placed in the upper bearing so as to lie in under the lower side 23 of the base loop. The straps are then bent to close the bearings and if desired the tab may be gripped between the edge 28 of the upwardly projecting strap 27 and the lower side 23 of the base loop.

It will be observed that my improved manner of fastening the tab not only saves labor in eliminating the sewing, which is a much slower method, but also enables a shorter tab to be employed than in the case where the extremity of the latter is folded and stitched around some member of the clasp or to the back of the supporting strap. It will be further observed that the end of the tab is not only confined but concealed

within the bearing thereby preventing raveling or fraying, and that the edge not only assists in holding the tab but also keeps the same uniformly spread.

Having now disclosed my invention as embodied in the devices above described such modifications as may fairly come within the scope of the appended claims will readily suggest themselves.

Having now described my invention what I desire to claim and protect by Letters Patent is:

1. A button clasp having two members provided with adjacent cross bars, a sheet metal binder bent around said cross bars and a fabric tab having its extremity gripped between the extremities of said binder.

2. A button clasp comprising an attaching loop and a button loop, one of said loops being provided with a cross bar and the other with a projecting sheet metal strap which is folded around said cross bar to form a pivotal bearing and a fabric button tab having its extremity confined in under the edge of said strap.

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