

W. P. HILL AND A. B. SMITH.
 CLASP SUSPENDER FOR TROUSERS AND THE LIKE.
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1,333,075.

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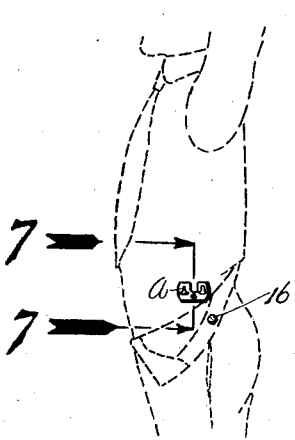


Fig. 1



Fig. 2



Fig. 3

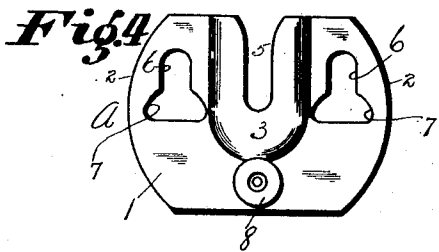


Fig. 4

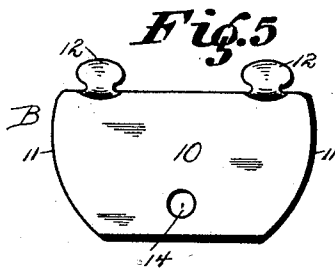


Fig. 5

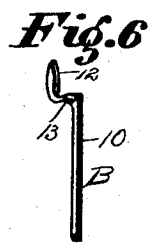


Fig. 6

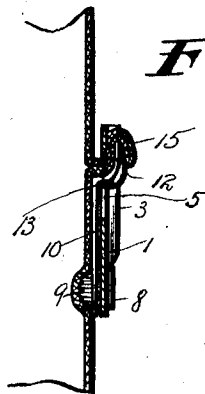


Fig. 7

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UNITED STATES PATENT OFFICE.

WILLIAM P. HILL AND ALVA B. SMITH, OF ST. LOUIS, MISSOURI; SAID SMITH ASSIGNOR OF ALL HIS RIGHT TO GEORGE R. STEINHAUSER, OF ST. LOUIS, MISSOURI.

CLASP-SUSPENDER FOR TROUSERS AND THE LIKE.

1,333,075.

Specification of Letters Patent.

Patented Mar. 9, 1920.

Application filed October 28, 1918. Serial No. 260,016.

To all whom it may concern:

Be it known that we, WILLIAM P. HILL and ALVA B. SMITH, citizens of the United States, residing at the city of St. Louis, State of Missouri, have jointly invented a certain new and useful Clasp-Suspender for Trousers and the like, of which the following is a specification, reference being had to the accompanying drawing, forming a part thereof.

This invention relates generally to trouser-supporting devices and, more particularly, to a certain new and useful so-called clasp-suspender for trousers and the like, the chief object of our present invention being to provide a simple, inexpensive, and durable clasp which is readily operatively attachable to the shirt or other garment and to and from which a trouser-button may be easily and conveniently engaged and disengaged, and which will hold the trousers up and the shirt or other garment down in an efficient, neat manner affording comfort and freedom of movement to the body.

With the above and other objects in view, our invention resides in certain novel features of form, construction, arrangement, and combination of parts, all as will hereinafter be described and afterward pointed out in the claims.

In the accompanying drawing,

Figures 1 and 2 are pictorial views of the clasp in connection with a worn shirt and trousers, showing the body in different positions of activity;

Figs. 3 and 4 are plan and side elevational views, respectively, of one of the so-called female member of the clasp;

Figs. 5 and 6 are side elevational and edge views, respectively, of the other or so-called male member of the clasp; and

Fig. 7 is an enlarged sectional view taken approximately on the line 7-7, Fig. 1.

As shown in the accompanying drawing, our new clasp-suspender comprises two cooperating members A and B, both of which are preferably of suitable metallic material, such as, for instance, aluminum.

Member A is in the form of a relatively small generally flat plate 1 preferably for appearance neatly rounded at its side edges, as at 2-2. Approximately centrally within its area and from the upper or top edge of

the plate downwardly to adjacent the lower or bottom edge of the plate, the metal of the plate 1 is die-pressed or otherwise manipulated out of the general flat plane of the plate to form or provide upon one or the outer side of the plate a substantially U-shaped embossment, as at 3; having its bight presented downwardly, and upon the reverse or inner side of the plate a correspondingly substantially U-shaped depression, as at 4, adapted, when the clasp is upon a shirt, to form or provide what I may descriptively term a pocket for neatly accommodating a trouser-button. The metal of plate 1 at its side embossment 3 is cut away from the upper or top edge of the plate downwardly for a suitable distance to provide that portion of the plate 1 forming the wall of said button-receiving pocket 4 with a vertically disposed slot 5 open at its upper end, the slot 5 being of suitable depth and being adapted to accommodate the securing-thread of the trouser-button. To each side of the embossment 3, the metal of plate 1 is further cut away, as seen particularly in Fig. 4, to provide vertically disposed relatively short parallel slots 6-6, each of which is formed at its lower end with a communicating enlargement 7. Near its lower edge, beneath the embossment 3 and approximately in alinement with the open-end slot 5, the plate 1 is provided with a snap-member 8 having a spring-head 9 projecting outwardly beyond the plane of the inner face of the plate, as seen particularly in Fig. 3.

The cooperating or so-called male member B is also in the form of a flat plate 10 of somewhat less width vertically than the plate 1, but otherwise of dimensions corresponding approximately with the dimensions of plate 1 and also for a similar purpose preferably rounded at its opposite side edges, as at 11-11. At its top or upper edge, the plate 10 is formed with a pair of so-called heads 12-12, which are suitably spaced to correspond with the spacing of the slots 6-6 of plate 1 and which are offset from, but which extend vertically in a plane approximately parallel with the plane of the outer or so-called front face of plate 10, the heads 12 being connected to the plate 10 by shanks 13-13 projecting approximately at right angles to the plane of the said outer or

front face of the plate 10, as seen especially in Fig. 6. The heads 12 have a width somewhat less than the width of the slot-enlargements 7 of plate 1, but greater than the width of the slots 6, the shanks 13 being of reduced width relatively to the heads 12 and of a width to conveniently fit and slide in the slots 6. Near its lower edge and approximately centrally, the plate 10 is provided with an aperture 14, whereby plate 10 is adapted, for purposes hereinafter appearing, for engagement by the spring-head 9 of the snap-member 8 fixed on the plate 1.

In use or operation, the material of the shirt or other garment of the wearer is folded over upon itself to provide a suitable fold, as at 15, at a suitable point along approximately the waist of the wearer, and the fold 15 so provided is placed between the plates 1 and 10, the plates 1 and 10 being disposed approximately flatwise relatively to each other with plate 10 outermost and its outer or front face presented outwardly and with the heads 12 of plate 10 slightly below the plane of the slot-enlargements 7. The under plate 10 is then moved in an arc inwardly to present the heads 12 at an angle to the slot-enlargements 7. The plate 10 is then, while at an angle to the plate 1, pressed outwardly relatively to the plate 1 and the heads 12 forced into and through the slot-enlargements 7, the heads 12 in such movement carrying therewith parts of the fold 15 of the shirt. With the heads 12 and their carried fold-parts in such position, the under plate 10 is moved in an arc outwardly to bring the plates 1 and 10 again in approximate flatwise relation to each other, and plate 10 then forced upwardly relatively to the outer plate 1, the shanks 13 in such movement traveling in the slots 6 and carrying therewith the heads 12 and the fold-parts described. The plates 1 and 10 then approximately registering at their lower edges, the snap-head 9 is forced into its cooperating aperture 14, and the plates 1 and 10 thereby locked together and in firmly clasped attachment upon the shirt. With the plates 1 and 10 so attached as described upon the shirt, the pocket 4 is conveniently accessible for engagement with, or disengagement from, a trouser-button, such as the button 16 illustrated in Fig. 1, the button 16 being conveniently slipped into or out of the pocket, as may be desired by the wearer, and the slot 5 at all times conveniently accommodating the button securing-thread.

Our new suspender-clasp may be inexpensively manufactured, is conveniently attachable in operative position upon a shirt, provides when upon the shirt a convenient means for quick and easy attachment or detachment of a trouser-supporting-button, and will hold the trousers up and the shirt down in a most simple and efficient manner

without injury to the shirt and at the same time affording comfort and freedom of movement to the wearer. The clasp may be conveniently detached from the shirt whenever required by a reversal of the operations above described; and it will, of course, be understood that any number of the clasps may be used in connection with a shirt and trousers as may be desired by any particular user or wearer.

We are aware that changes in the form, construction, arrangement, and combination of the several parts of our new clasp-suspender may be made and substituted for those herein shown and described without departing from the nature and principle of our invention.

Having thus described our invention, what we claim and desire to secure by Letters Patent is:

1. As a new article of manufacture, a clasp-suspender comprising, in combination, a pair of plates, and cooperating means on the plates for removably attaching the plates operatively to the garment, said plates when so attached to the garment abutting substantially in flatwise relation one to the other, one of the plates having an outwardly bulged portion providing the clasp with a pocket for receiving and retaining a trouser-supporting button, said bulged portion having a slot opening to an edge of the plate for accommodating the securing-thread of the button.

2. As a new article of manufacture, a clasp-suspender comprising, in combination, a pair of plates, cooperating means on the plates for removably attaching the plates operatively to the garment, said plates when so attached to the garment abutting substantially in flatwise relation one to the other, and additional cooperating means on the plates for detachably fastening the plates together when attached to the garment, one of the plates having an outwardly bulged portion providing the clasp with a pocket for receiving and retaining a trouser-supporting button, said bulged portion having a slot opening to an edge of the plate for accommodating the securing-thread of the button.

3. As a new article of manufacture, a clasp-suspender comprising, in combination, a first plate provided with a pair of spaced parallel slots each having an enlargement at one end, a second plate provided with a pair of offset correspondingly spaced headed-members having reduced shanks, said pair of members and said pair of slots being adapted as described for cooperative engagement with each other and with the garment in removably attaching the plates operatively to the garment, said plates when so attached to the garment abutting substantially in flatwise relation one to the other,

and additional cooperating means on the plates for detachably fastening the plates together when attached to the garment, one of the plates having an outwardly bulged portion providing the clasp with a pocket for receiving and retaining a trouser-supporting button, said bulged portion having

a slot opening to an edge of the plate for accommodating the securing-thread of the button.

In testimony whereof, we have signed our names to this specification.

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