

A. ADAMSON.
SUSPENDERS.

No. 174,459.

Patented March 7, 1876.

Fig 1

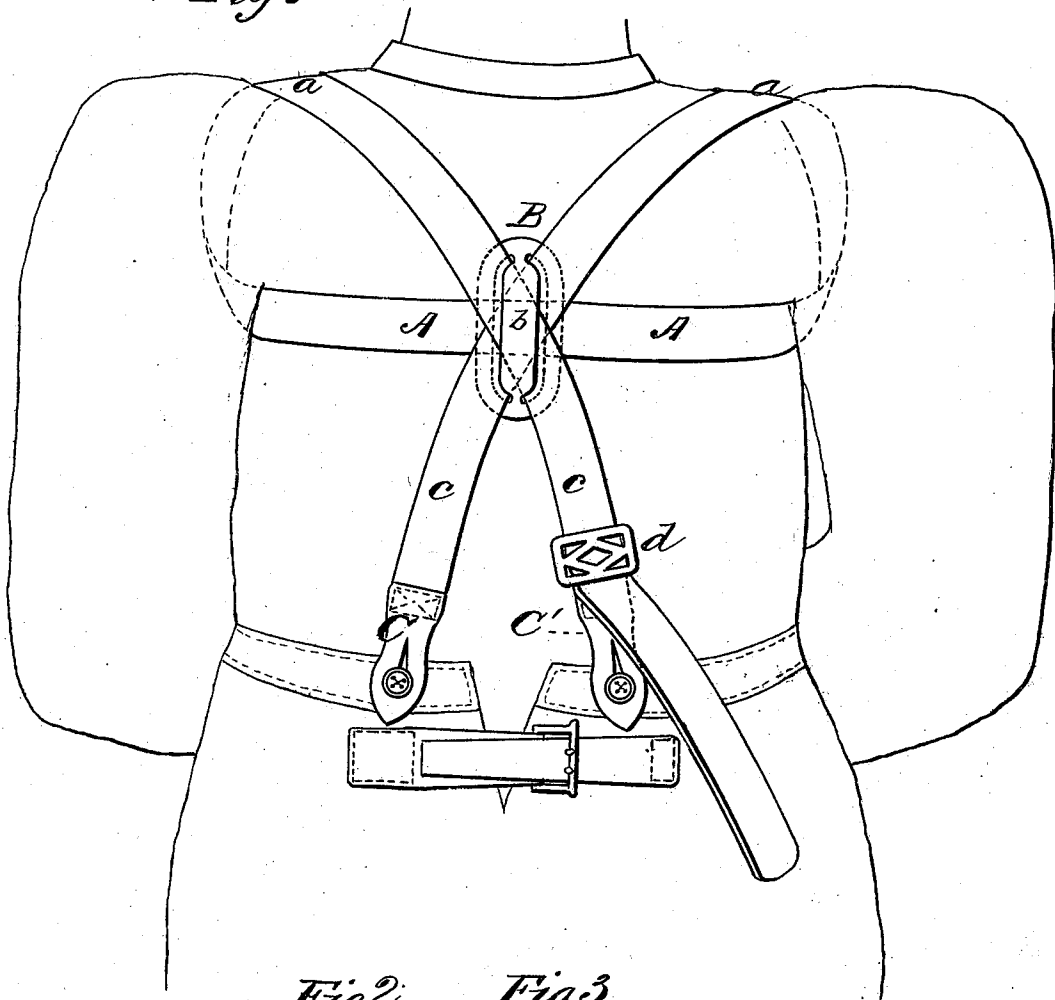


Fig 2

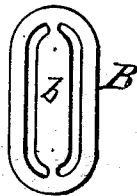


Fig 3



WITNESSES

E. H. Bates
E. W. Johnson

INVENTOR

A. Adamson
Chipman and Hooper & Co

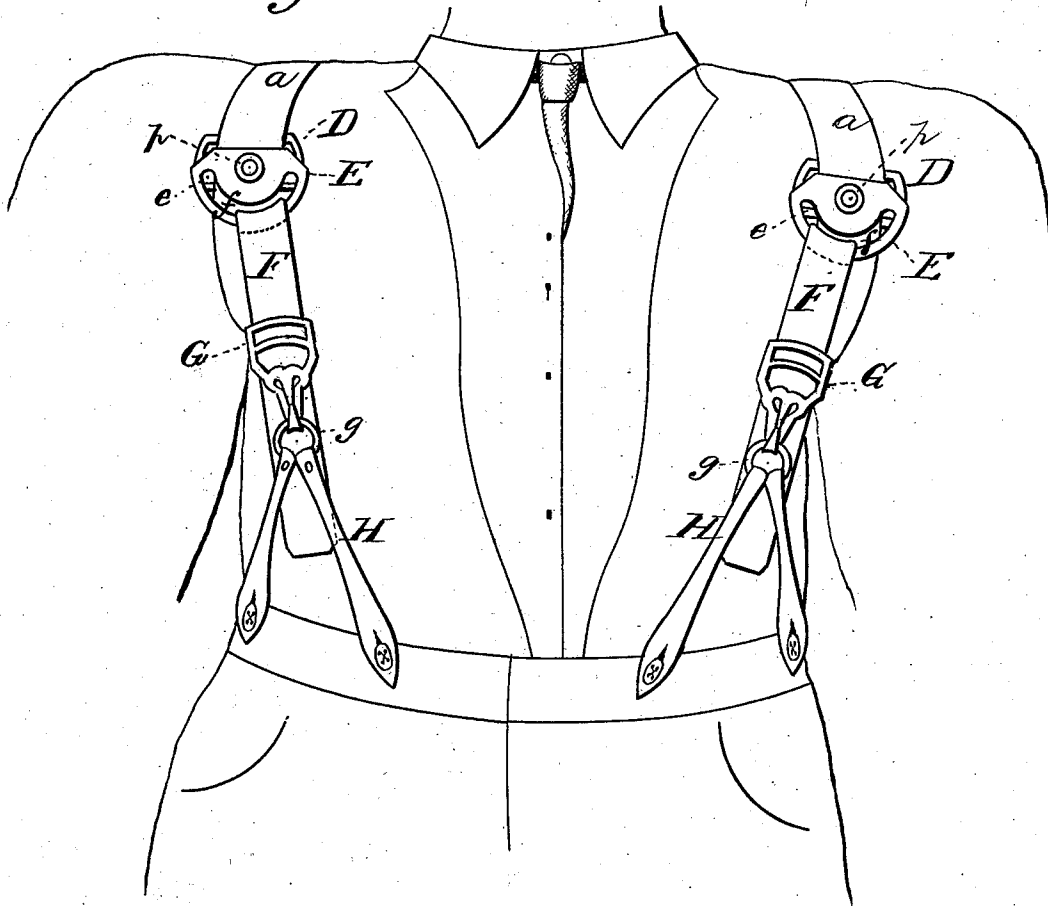
ATTORNEYS

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Fig 4



WITNESSES
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UNITED STATES PATENT OFFICE.

ALEXANDER ADAMSON, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN SUSPENDERS.

Specification forming part of Letters Patent No. **174,459**, dated March 7, 1876; application filed September 2, 1875.

To all whom it may concern:

Be it known that I, ALEXANDER ADAMSON, of the city of Washington, in the county of Washington and District of Columbia, have invented a new and valuable Improvement in Combined Shoulder-Brace and Suspenders; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my suspenders, seen from the rear; and Figs. 2 and 3 are detail views thereof. Fig. 4 is a plan view from the front.

This invention has relation to improvements in combined suspenders and braces, wherein are employed figure-of-eight braces made of webbing; and the nature of the invention consists, mainly, in combining with such a brace of figure-of-eight form, having its ends extended from the crossing at the back downward, a three-barred clamp-buckle, through which the body and the two ends of the webbing are passed, the brace thus formed being capable of adjustment to fit the person of a wearer of any size, and to regulate the bracing-strain from the shoulders toward the center of the back, as will be hereafter more fully explained and claimed.

In the annexed drawings, the letter A designates the main belt of my combined improved brace and suspender, which is preferably formed of elastic webbing. This belt is first passed through a three-barred clamp-buckle, B, until its ends extend evenly out beyond the same, when they are turned inwardly toward, and passed from opposite directions through, the clamp, under the central bar *b* and outside of the central portion of the said web, as shown in Fig. 1.

The clamp-buckle B is designed to be in a vertical position when the brace, formed as above described, is in use. As shown in Figs. 2 and 3, its central bar *b* is of considerable breadth, and is raised above the plane of the clamp, for a purpose hereinafter explained.

The free ends *c* of strap A project suffi-

ciently through clamp B to admit of a button-hole tag, C, being stitched thereto, or of the application of a separate tag, C', by means of the usual well-known buckle *d*. In the latter case I prefer to have the strip of webbing of which the figure-of-eight brace is made, of somewhat greater length than when the tags are secured directly to the ends of the webbing. Tags C are designed to be buttoned to the rear part of the waistband. D represents slide-buckles, to the central cross-bar *e* of which is pivoted the upper reduced end of a segment-shaped metallic plate, E, the lower edge of which is provided with a curved slot, *f*, by means of which breast-straps F are attached thereto.

The straps are provided each with an attachment, G, combining the functions of a snap-hook and buckle, to which the front tags H are attached by engaging a ring, *g*, to which they are stitched, over the combined hook and buckle G. The connection of the front portion of the waistband with the figure-of-eight brace is thus secured.

As shown in Fig. 1, the material of the figure-of-eight brace is compressed between the central bar *b* of the clamp and its lateral bars *b'*, this effect being due to the breadth and to the raised position of the former, thus securing an adjustment of the parts of the brace in conformity with the requirements of different sizes of men. This clamp also serves to regulate the bracing action of the shoulder-loops, which tends to draw the shoulders toward the center of the back.

The peculiar construction of slide-buckles D, and of the slotted vibrating plates E, hinged or pivoted thereto, is such that when front straps F accommodate themselves to the movements of the wearer, vibratory action will occur either in the slot of plate E, or upon the pivot *p*, by means of which the said plate is attached to the buckle, thus preventing the latter from crumpling belt A, or forming raised surfaces thereon, the friction of which upon the person of a wearer would be apt to produce galling.

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

The combination, with a single strap, A, of webbing, whereof the central portion is passed

horizontally across the back, and the ends are looped around, under, and over the shoulders, crossing each other and the middle of the strap at the back, and extended downward at *c c*, of the adjustable clamp B, connecting said middle and ends of said strap at the crossing, to regulate the size and bracing action, as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ALEXANDER ADAMSON.

Witnesses:

JAS. B. LOOMIS,
WALTER C. MASI.