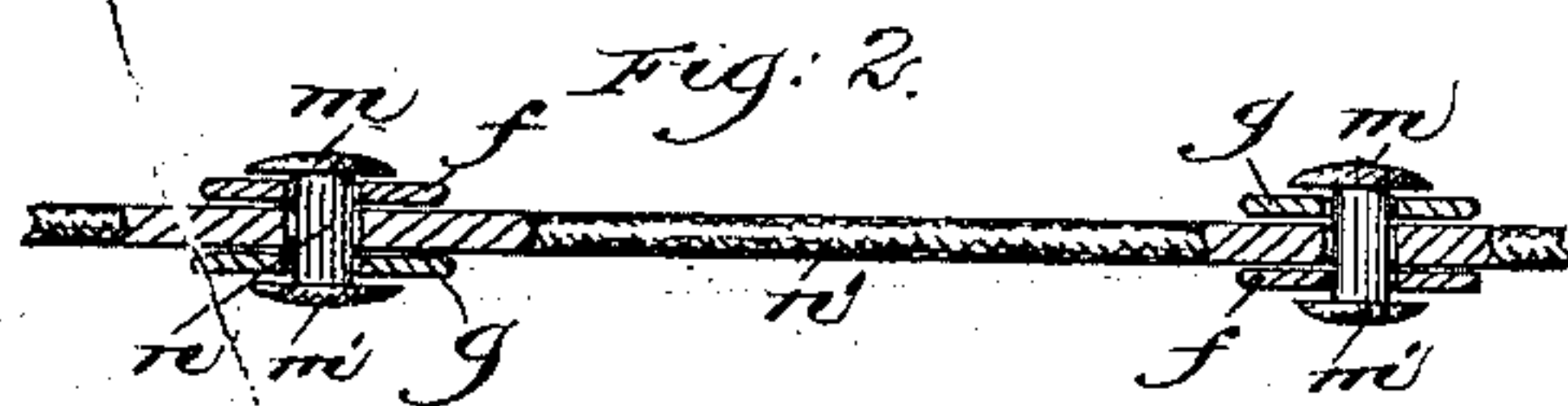
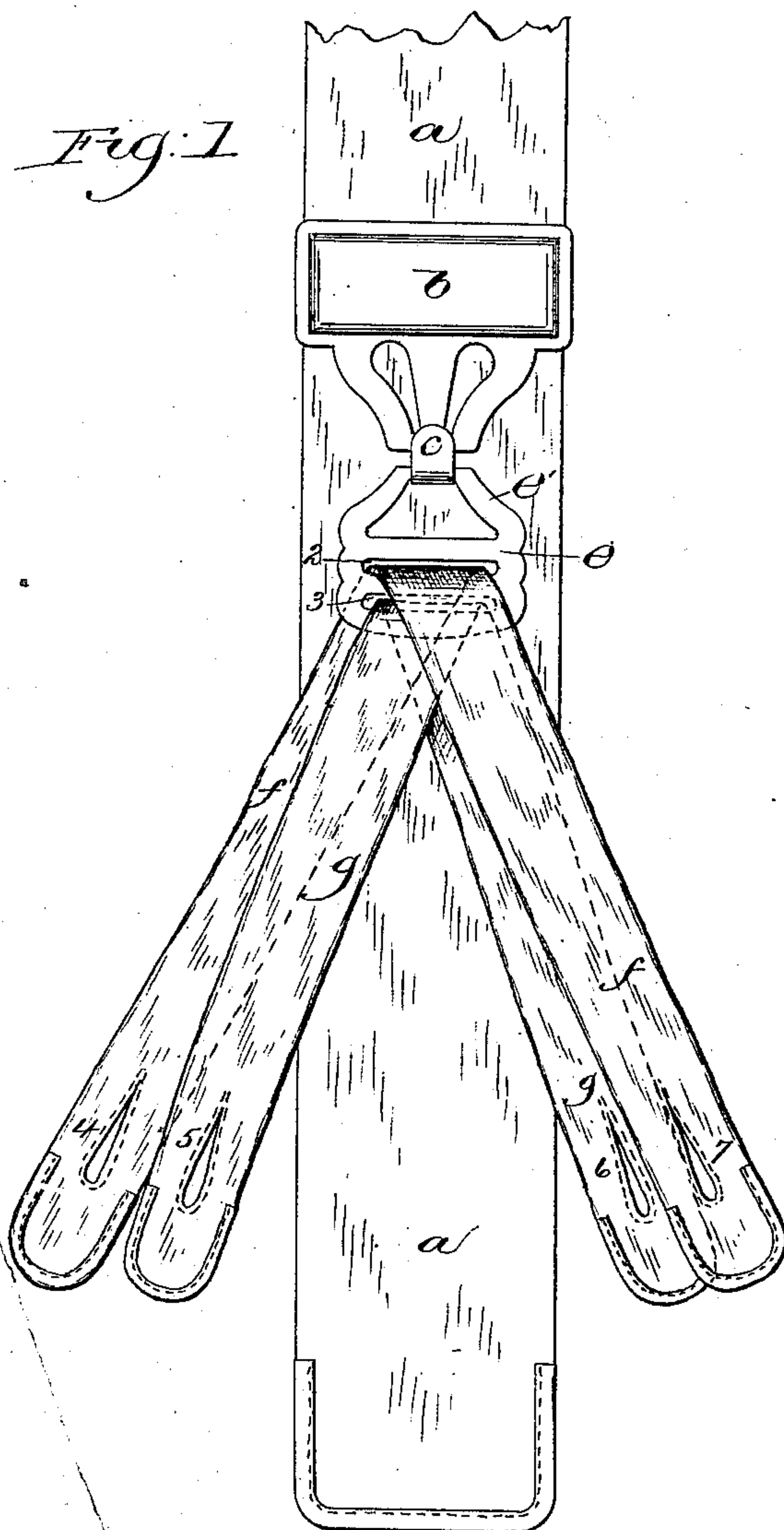


(No Model.)

J. H. HUFF.
SUSPENDER END.

No. 349,277.

Patented Sept. 14, 1886.



Witnesses
Lucas L. Emery
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UNITED STATES PATENT OFFICE.

JAMES H. HUFF, OF BOSTON, MASSACHUSETTS.

SUSPENDER-END.

SPECIFICATION forming part of Letters Patent No. 349,277, dated September 14, 1886.

Application filed April 16, 1886. Serial No. 199,120. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. HUFF, of Boston, county of Suffolk, and State of Massachusetts, have invented an Improvement in Suspenders, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide a suspender with improved ends better adapted to withstand wear, and which will yield independently at any particular point, and which may be easily replaced by new ones when unfit for use.

My invention consists, essentially, of a plate having two parallel slots extending longitudinally therein, and provided with a loop or eye or other device for fastening the said plate to any usual hook supported by or connected to the buckle, combined with two independent end pieces or straps passed through and moving freely one in each of the said slots in the plate, the opposite ends of each strap having an eye or slit to engage the buttons or other fastenings employed to attach the suspender to a waistband.

In accordance with this invention the button or fastening will preferably have a double head—such, for instance, as described in my application Serial No. 189,652—the shank of the button passing through the waistband, thus presenting a suitable head upon each side thereof, the eyes or slits of the straps being connected with the opposite heads of two such buttons, so that one end of one strap is slipped over the head of one button outside of the waistband, while the opposite end of the said strap is slipped over the head of one adjacent button inside of the waistband, and vice versa.

Figure 1 shows a front view of a suspender-end embodying my invention, and Fig. 2 shows section of a waistband with the buttons and end pieces attached.

The suspender-strap *a* and buckle *b*, having a suitable hook or clasp, *c*, are and may be of any usual construction, so need not be herein shown. The plate *e*, having a loop or eye, *e'*, to engage the hook or clasp *c*, is provided at its lower end with two parallel slots, 2 3, which receive the two independent end pieces or

straps, *f g*, consisting, in this instance, of strips of webbing. The opposite ends of each strap *f* and *g* are spread a sufficient distance apart to engage two buttons attached to the waistband of trousers or other garment in any manner. I prefer to employ buttons such as shown in my application Serial No. 189,652, each button consisting of a shank portion, *n*, to pass through the waistband *n'*, and two like heads, *m m'*, one at each end of the shank, the ends of each strap *f* and *g* having an eye or slit, as at 4 5 6 7, to engage the said button. In practice two such buttons will be connected with a waistband at usual distance apart, each button presenting a head at each side the waistband, and the opposite ends of each strap are connected therewith—as, for instance, the button-hole slit 7 of the strap *f* is passed over the outside head of one of the buttons, while the button-hole slit 4 of the said strap *f* is passed over the inside head of the adjacent button, and in such instance the opposite ends of the strap *g* are connected with the buttons reversely. By attaching the end pieces or straps *f g* as just described, the two ends to be attached to the outside heads pass through the slits 2 and 3 from the outside of plate *e*, and the two ends to be attached to the inside heads depend from the inside of the plate. It is obvious that the position of the ends may be reversed, or, if desired, that portion of the straps leading from one side of the plate *e* may be attached to one button, and that portion leading from the outside be attached to the adjacent button. The straps *f g*, sustained as described, are free to move independently to conform to any movement of the body, and one or both straps, if injured or worn so as to be unfit for use, may be easily replaced at trifling expense.

Instead of providing the ends of the straps with button-hole slits to pass over the heads of the buttons, any other suitable opening or perforation may be employed, through which the shank of the buttons may pass.

I claim—

1. The plate *e*, having two parallel slots, combined with two independent straps passed through and moving freely in said slots, the opposite ends of each strap being provided

with button-hole slits or openings, all substantially as described.

2. The plate *e*, having two slots, combined with two independent straps passed through
5 and moving freely in said slots, those ends of the straps leading from one side of the plate being provided with button-hole slits or openings to be attached to the outside of the waistband, and those ends leading from the other
10 side of the plate being perforated to be attached

to the inside of the waistband, all substantially as described.

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

JAMES H. HUFF.

Witnesses:

BERNICE J. NOYES,
C. M. CONE.