

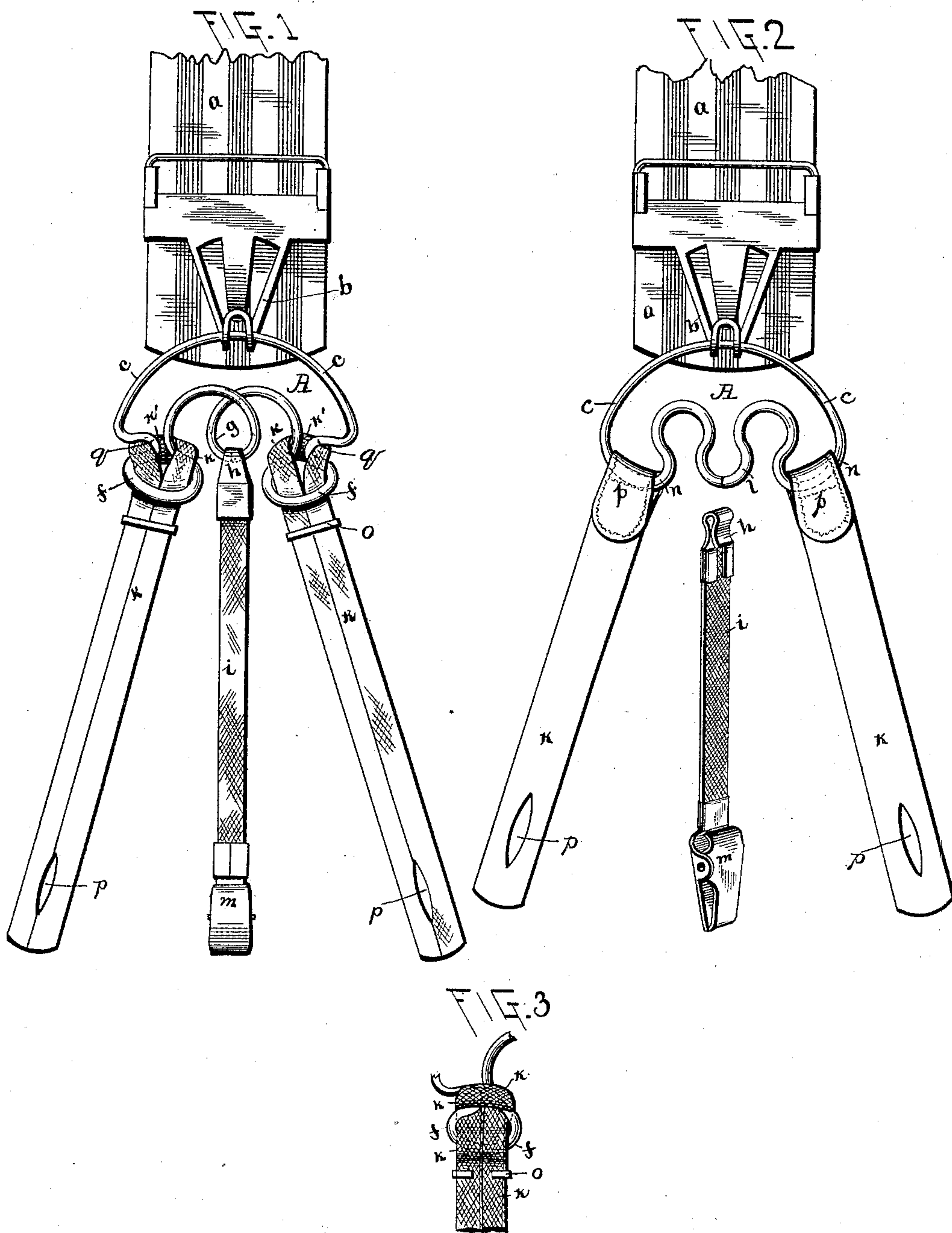
(No Model.)

C. P. CRANE.

SUSPENDERS.

No. 396,861.

Patented Jan. 29, 1889.



WITNESSES:

Geo. B. Travel
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SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 396,861, dated January 29, 1889.

Application filed June 21, 1888. Serial No. 277,825. (No model.)

To all whom it may concern:

Be it known that I, CARSON P. CRANE, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Suspenders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in suspenders; and it relates more particularly to the hooks or ends to which the suspender ends or straps are attached.

The object of the invention is to provide a simple, cheap, durable, and efficient self-adjusting suspender which will readily adapt itself to the many changes of position of the body of the wearer and to generally improve upon previous devices of this character.

To these ends, and to such others as the invention may pertain, the same consists in the peculiar combinations and the novel combination, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawings, and then particularly pointed out in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 represents a side view of the end of a suspender embodying my improvements. Fig. 2 is a similar view of a slightly-modified form. Fig. 3 is a detail, more particularly hereinafter referred to.

Reference now being had to the details of the drawings by letter, *a* represents the webbing forming the suspender shoulder-straps, and *b* the catch or buckle-loop, which may be of any approved or well-known construction.

My invention lies in the portion designated by the letter A, which is formed of a single piece of metal, preferably wire, bent into the shape shown, which in Fig. 1 consists of the curved bar or evener *c*, the eyes, rings, or loops *f*, and the hoop or ring *g* between the

loops *f*. The construction shown in Fig. 2 is essentially the same, except that the side loops, *u*, are not formed with external recesses, *q*, as shown in Fig. 1, and the central loop, *l*, is slightly different, the ends of the wire not being crossed to form the loop, as in the construction shown in Fig. 1.

The attaching-straps *k*, as shown in Fig. 2, are secured to the side loops, *u*, by lapping or folding one end of the strap and securing the same by stitching, as shown in said figure, or in any other suitable way.

The attaching-straps *k* (shown in Fig. 1) are each formed of a single piece bent upon itself to form the loop *k'*, which is engaged with the wires above the loop *f*, fitting in the recess *q*, and the ends passed down through the loop *f* and formed at the free end with a button-hole, *p*, the two strands of the strap being preferably connected by a suitable clasp, as shown at *o*.

i is the webbing, to the lower end of which is attached in any suitable manner the catch or clamp *n*, designed to engage the band of the drawers, and to the other end of the webbing *i* is attached a hook, *h*, designed to engage the central loop of the attachment A, as shown in the drawings.

In practice it will be found that the shoulder-straps as well as the attaching-straps will readily adjust themselves to the various changes of position of the wearer without causing undue strain on any portion thereof.

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

As an improved article of manufacture, a suspender attachment formed of a single piece of material bent to form the curved bar *c*, side loops or eyes formed with recesses *q*, and a loop or eye between said side loops, all of said loops being beneath the curved bar, with the central loop on a higher plane than the side loops, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

CARSON P. CRANE.

Witnesses:

FRANK A. DAVIS,
JOHN F. ALFORD.