

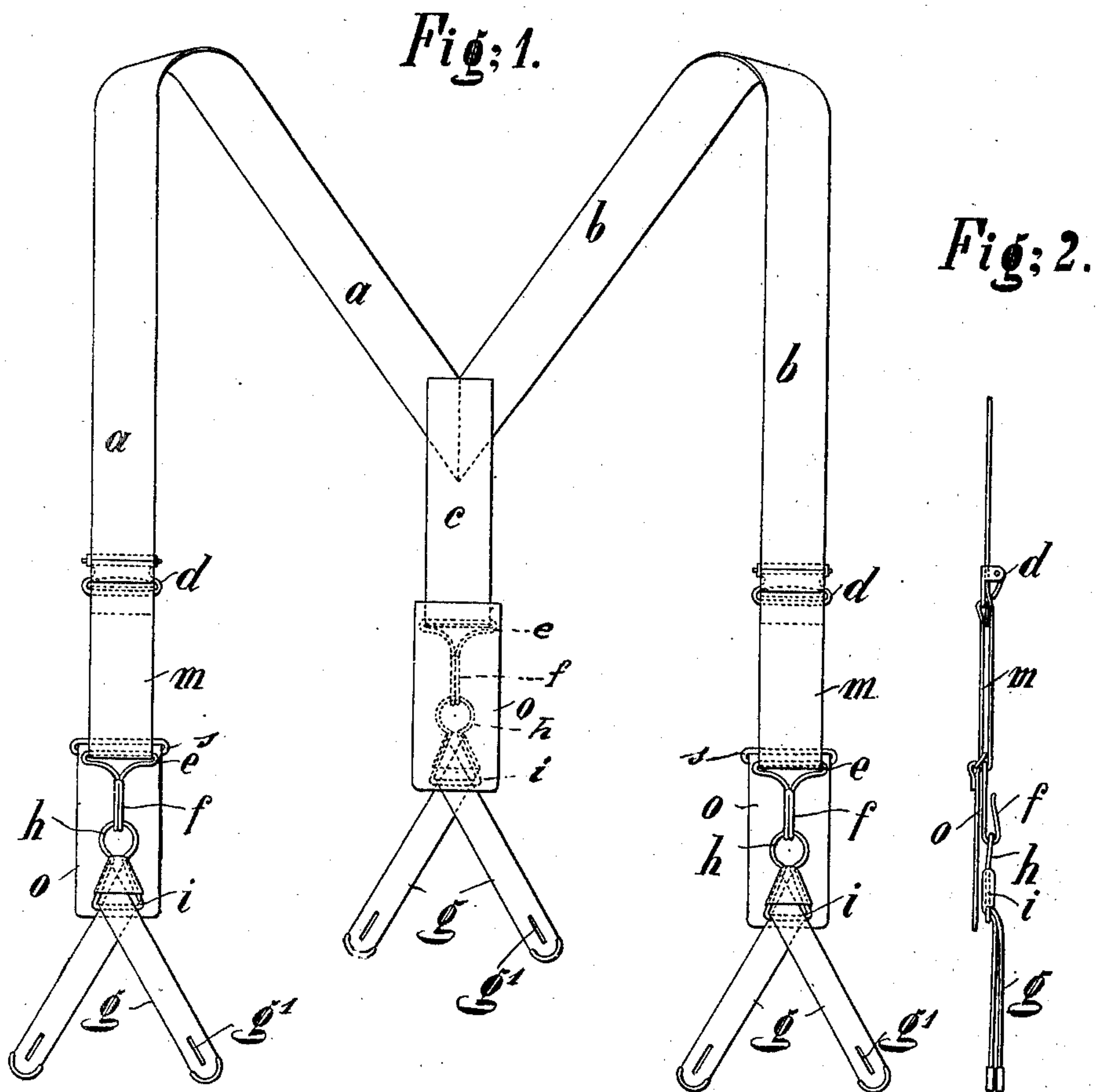
No. 756,490.

PATENTED APR. 5, 1904.

A. GIESEN.
SUSPENDERS.

APPLICATION FILED JAN. 3, 1903.

NO MODEL.



Witnesses:
Bruce Wallace
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UNITED STATES PATENT OFFICE.

AUREL GIESEN, OF KREFELD, GERMANY.

SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 756,490, dated April 5, 1904.

Application filed January 3, 1903. Serial No. 137,717. (No model.)

To all whom it may concern:

Be it known that I, AUREL GIESEN, a subject of the Emperor of Germany, residing at Krefeld, in the Province of Rhenish Prussia, Germany, have invented certain new and useful Improvements in Suspenders; and I do hereby 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.

This invention relates to improvements in suspenders; and it consists in the use of unelastic main or supporting straps in combination with elastic buttoning-straps. These latter straps are drawn through the lower triangular part of a metal connecting-piece, the upper part of which forms a circular ring, so that they, together with the ring, can be easily taken out of a hook into which the ring is hung and which hook is held by the adjustable main strap.

The new suspenders can be made much cheaper than ordinary suspenders with elastic main straps, because only a small part—the short and narrow buttoning-straps—need to be made of elastic web, and they are very convenient and handy in use, because the unhooking of the buttoning-straps only requires the taking out of said ring of the hook mentioned.

On the accompanying drawings, Figure 1 shows the suspenders, and Fig. 2 a front end in side view.

By *a* and *b* are indicated the unelastic main straps, which are united to the rear connecting-piece *c*. The front ends are provided each with the clamping-buckles *d*, which can be shifted up and down on these bands, forming thereby a longer or shorter loop *m*, and thus allowing to shorten or increase the total length of the straps. To each of these loops is connected a sliding hook *e f*, the part *e* of the hook forming itself a loop which can slide in the loop *m* of the shoulder-bands *a* and *b*, while the hook at the rear end is connected to the piece *c* by passing the end of this through the loop formed by the part *e* of the hook, doubling it, and then sewing the turned-up

end to the upper part of the same. The buttoning-straps are each formed of a piece of elastic ribbon or braid *g*, provided at both ends with a buttonhole *g'* and of suitable length. They are passed through the triangular lower part *i* of a metal coupling-piece, so that they can be easily removed, and the upper part *h* of this connecting-piece is of ring shape, and by this ring it can be conveniently hung into the hook *f*. The manner of winding the buttoning-straps through the connecting-piece *i* *h* will be readily understood by a glance on Fig. 1. It enables ready and prompt fixing to and removing of the buttoning-straps *g* from the connecting-piece, while by means of the ring *h* and the hook *f* the buttoning-straps can be as easily taken off from the main straps. The rear buttoning-straps are connected in the same manner and by the same means to the connecting-piece *c*.

o is a sort of a lining-piece fixed to the back side of the suspenders to protect the linen from coming in contact with the hook and other metal parts. At the front ends of the suspender-straps these lining-pieces are connected to the loops *m* by oblong metal rings hung in the loops behind the hooks *e f*, and at the rear end the piece *o* is fixed to the connecting-piece *c* by sewing.

I am aware that suspenders with, on the whole, similarly-arranged parts have been in use before my invention, and I therefore do not claim, broadly, such suspenders; but

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

In suspenders a pair of unelastic shoulder-bands *a, b* held together at the rear by an unelastic connecting-piece *c*, clamping-buckles *d* at the front ends of said shoulder-bands to form adjustable loops *m*, sliding hooks *e f* connected to said loops *m* and the connecting-piece *c*, respectively, in combination with coupling-pieces *h i* hung by their upper ring-shaped parts *h* in the hook parts *f* of said sliding hooks, elastic buttoning-straps *g, g'* passed through the lower triangular parts *i* of said coupling-pieces *h, i* so as to allow self-

adjustment of these buttoning-straps, protecting-pieces *o* placed behind the hooks *e f* and the coupling-pieces *h, i*, so as to protect the linen from coming in contact with said metal
5 hooks and coupling-pieces, the whole as described and illustrated and for the purpose set forth.

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

AUREL GIESEN.

Witnesses:

BRUCE WALLACE,
C. F. HENSLEY.