

(No Model.)

A. F. R. ARNDT.
SUSPENDERS.

No. 500,524.

Patented June 27, 1893.

Fig 1

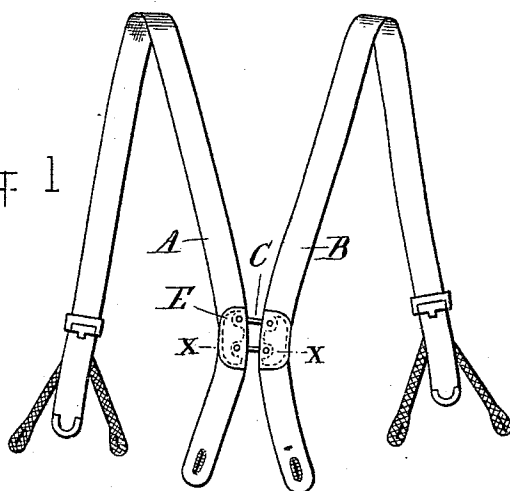


Fig 2

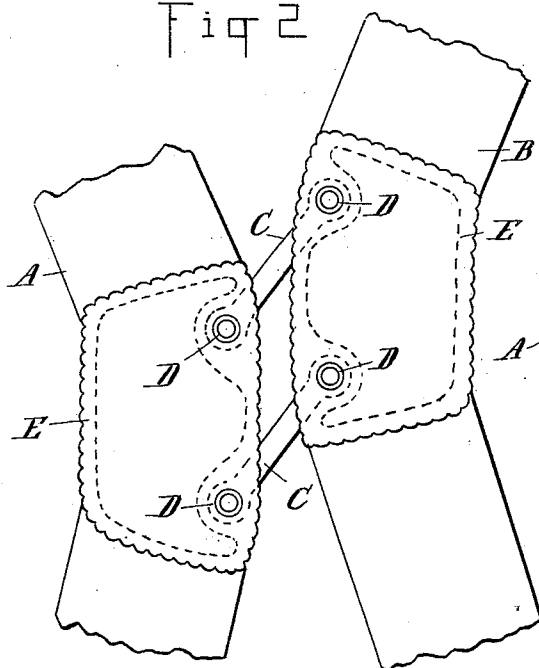
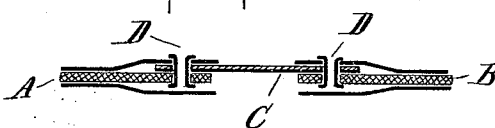


Fig 3



Witnesses:
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Inventor:
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By Norris & Magnien Attys.

UNITED STATES PATENT OFFICE.

ALBERT F. R. ARNDT, OF DETROIT, MICHIGAN.

SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 500,524, dated June 27, 1893.

Application filed April 3, 1890. Serial No. 346,489. (No model.)

To all whom it may concern:

Be it known that I, ALBERT F. R. ARNDT, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Suspenders, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to new and useful improvements in suspenders, and the invention consists in the peculiar construction of the connection between the two lateral halves of the suspender, whereby each half may
15 move independently of the other half, such connection consisting of a bar or bars pivotally connected to each half of the suspender, all as more fully hereinafter described.

20 In the accompanying drawings, Figure 1 is an elevation of a suspender to which my improved connection is applied. Fig. 2 is an enlarged elevation of the connection, and Fig. 3 is a cross section through the connection on line $x x$.

25 A, B, are the two lateral halves of the suspender, which approach each other at the lower part of the back portion of the webbing, at this point the two halves are connected together by means of the connecting bars C, pivotally connected at its ends to the
30 suspender webbing, preferably by forming an eye at the end of the bar, and securing in the eye, the eyelet D, which passes through the webbing, and the front facing strips E. I
35 preferably employ two such bars about an inch or two apart, and similarly connected to the webbing. A suspender thus constructed

gives free vertical movement to each half of the suspender, independent of the other half. The facing strips E cover the pivotal points 40 of the connecting bars, so that there is no wear upon the body or clothing of the wearer. My device also does away with the objection to a sliding connection between the parts, in which the operation of the slide is apt to be
45 impeded by the clothing of the wearer. To this end, I preferably pass the eyelet only through the webbing and the front facing strip, and place the cross bar outside the webbing and beneath the outer facing strip. I
50 preferably separate the two halves of the suspender slightly, so that there will be no friction between the two parts of the webbing in the vertical movement, and to this end I used a rigid strip for the bar C. 55

What I claim as my invention is—

A pair of suspenders consisting of two straps united near their rear ends by two or more metal bars arranged one above the other and parallel, pivots connecting the ends of 60 the bars and straps, a facing strip on the inner face of the straps extending over the pivots and an outer facing strip through which the pivots pass and beneath which the ends of the bars are placed, substantially as de- 65 scribed.

In testimony whereof I affix my signature, in presence of two witnesses, this 25th day of February, 1890.

ALBERT F. R. ARNDT.

Witnesses:

M. B. O'DOHERTY,
P. M. HULBERT.