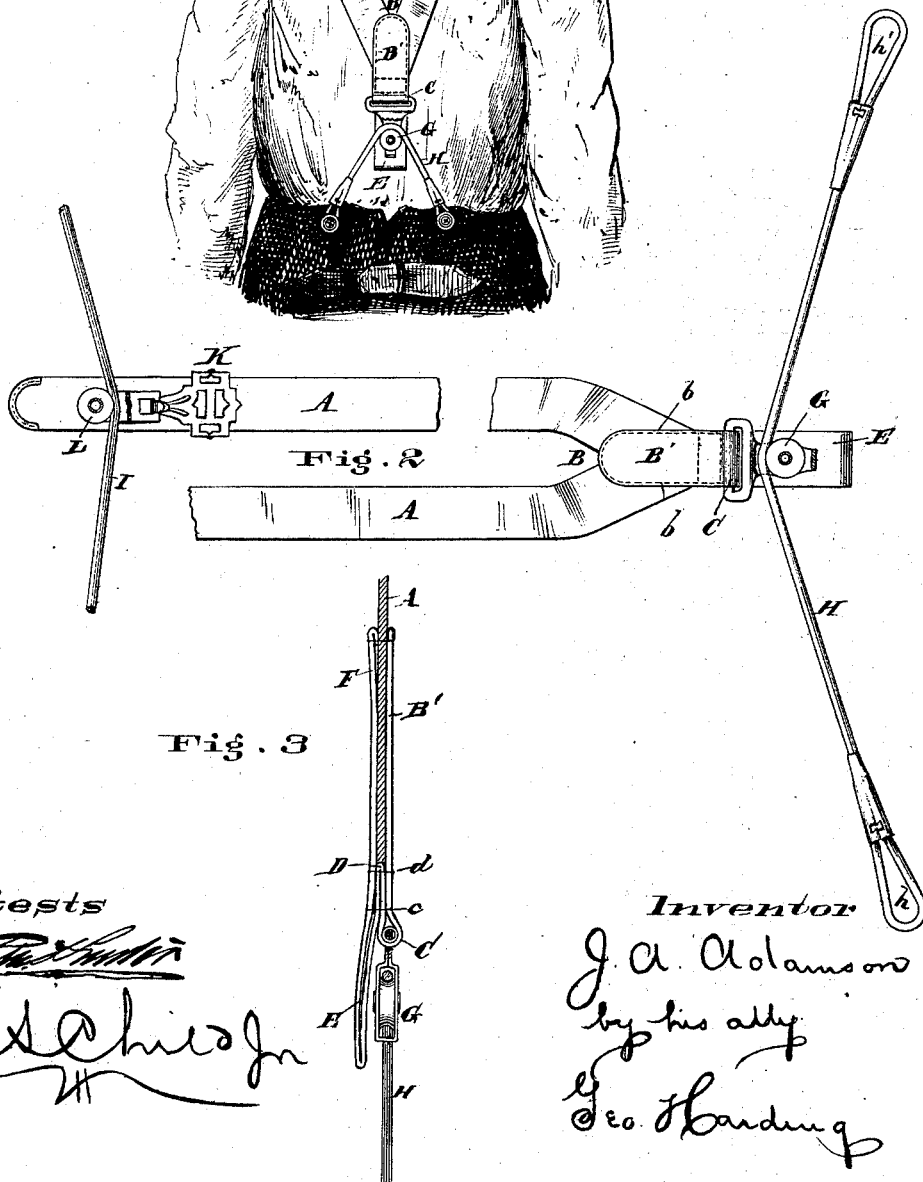
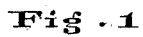


Suspenders.

No. 216,715.

Patented June 24, 1879.



Attests

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Inventor:

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UNITED STATES PATENT OFFICE

JOSEPH A. ADAMSON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN SUSPENDERS.

Specification forming part of Letters Patent No. **216,715**, dated June 24, 1879; application filed February 12, 1879.

To all whom it may concern:

Be it known that I, JOSEPH A. ADAMSON, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Suspenders, of which the following is a specification.

My invention relates to that class of suspenders in which the cords and button-tips are not fastened rigidly to the shoulder-webs, but pass over a pulley, the cords being free to move thereon.

The object of my invention is to render the suspenders more comfortable than commonly made.

My invention consists, essentially, of the two shoulder-webs, which are jointed together at one end, to which is sewed a strap which supports a roller, and at the same time is so extended that it protects the back from being chafed by the roller.

The suspenders are also supplied with rollers on the end of each of the shoulder-webs. Over each of the three rollers an independent cord is placed, to the end of which are button-tips.

In the drawings, Figure 1 is a back view of a man with the suspenders embodying my invention shown in elevation. Fig. 2 is a view of the suspenders laid flat, having one of the ends of the shoulder-web broken off, and also the button-tips from one of the cords removed. Fig. 3 is a sectional view of the shoulder-webs at the back and the tab to prevent chafing.

Like letters of reference correspond to like parts of the suspenders, as shown in the drawings.

In the drawings, A A are the shoulder-webs, which may be made of any suitable material. They are joined together at B. At this point there is a piece, B', which extends downward and forms a loop, C. It is then brought up and doubled upon itself at D. It is then doubled upon itself again, forming a long flat and hanging loop, E, and is then brought up and forms the part F, which is of the same size as part B', but is placed on the opposite side of the shoulder-webs A A. The parts B' and F are then sewed together at *b b*, *d*, and *c*. The parts A A, B', and F are all sewed together.

The loop or tab E is made long enough to extend below the roller G, and prevents chafing of the back by said roller. The roller G is supported from the loop C. Over the roller G the cord H, having the button-tips *h h'*, plays.

Upon the ends of the shoulder-webs A A there are the usual buckles K, from which are suspended rollers L, over which pass the cords I, which are also supplied with button-tips. The web A prevents the roller L from chafing, as in the case of the roller G. Both of the ends of the webs A A are supplied alike.

I claim—

In a suspender, the shoulder-webs A, joined at B, in combination with the front piece, B', the loop C, hanging loop or tab E, rear part, F, and roller G, substantially as shown and described.

J. A. ADAMSON.

Witnesses:

R. S. CHILD, Jr.,

F. T. CHAMBERS.