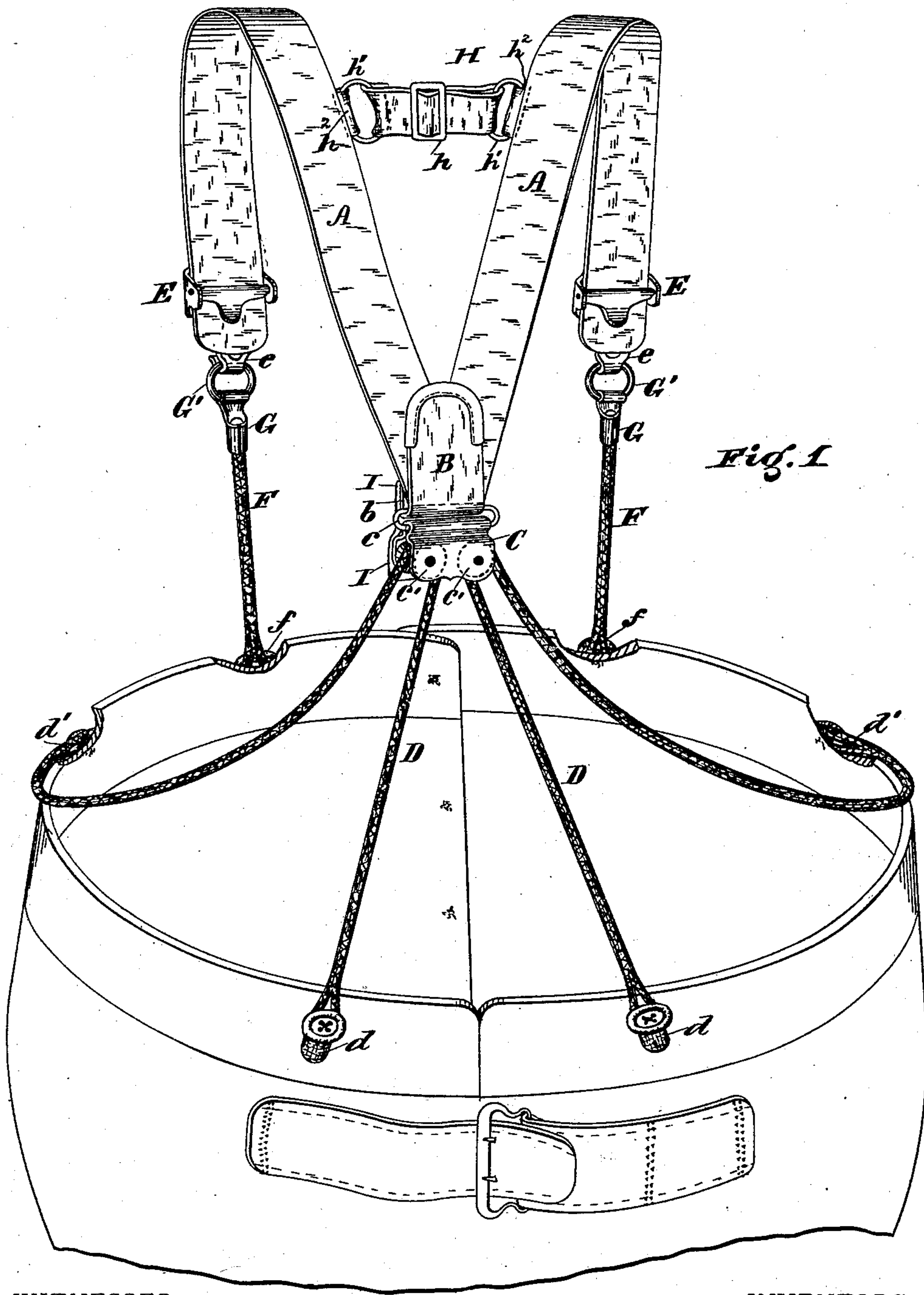


L. & O. OPPENHEIMER.
Suspenders.

No. 221,348.

Patented Nov. 4, 1879.



WITNESSES:

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UNITED STATES PATENT OFFICE.

LEWIS OPPENHEIMER AND OSCAR OPPENHEIMER, OF PHILADELPHIA, PA.

IMPROVEMENT IN SUSPENDERS.

Specification forming part of Letters Patent No. **221,348**, dated November 4, 1879; application filed September 24, 1879.

To all whom it may concern:

Be it known that we, LEWIS OPPENHEIMER and OSCAR OPPENHEIMER, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Suspenders; and we 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 pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification, in which—

Figure 1 is a perspective of our invention.

Our invention relates principally to the following points: first, to the provision of a double pulley-block, or block or shell, having two rollers for the back straps or cords, and a swiveled link or ring, whereby said block or shell is fastened to the suspender-web where the shoulder-straps join at the back; second, to means whereby the front strap or cord is fastened to the adjusting-buckle, said means consisting of a swiveled clamp and ring; and, third, to the provision of a brace or lateral stay for the shoulder-straps, said stay being adjustable in the direction of its length, but so fastened that it is prevented from sliding on the shoulder-straps.

Referring to the accompanying drawing, A A indicate the shoulder-straps, or webs of elastic or other suitable material, which are fastened together at their junction at the back by means of a short section of elastic, B, which is made to embrace them on both sides, and is held in position by stitching. The folded middle of said section B extends a short distance below the ends of the straps A A, forming a pocket or opening, *b*, through which passes a ring, *c*, which is swiveled in a pulley block or shell, C. Said shell or block is provided with two rollers, *c' c'*, which are in the same plane and located just sufficiently far apart to permit the two back cords, D D, to pass up between them; said cords proceeding thence outwardly on either side to form side supports. The ends of said cords are provided with loops or rings *d d' d'*, whereby they may be secured to the side and back buttons of pantaloons.

E E represent adjusting-buckles, of any suitable construction, on the front ends of the webs A A, and F F are single cords depending therefrom. Said cords are each provided with a clamp, G, which firmly holds them, and a swiveled ring, G', which engages with a snap-hook, *e*, or other part of the buckle E. The lower ends of said cords F have loops *f f*, which engage with the front pantalon-buttons, as shown; but these, as well as loops on cords D D, may be formed by doubling their respective ends and stitching them in the usual manner.

H represents a stay, connecting the webs A A at the shoulder. Said stay has an adjusting-buckle, *h*, and passes through rings *h' h'*, which are secured by tabs *h² h²*, stitched to the webs A A. By this means the stay H may be adjusted to draw the webs A A closer together or to permit them to spread farther apart, while at the same time it is prevented from sliding up or down upon said webs.

If desired, a short depending tab, I, may be stitched to the binding-section B, to protect the shirt from contact with the roller-shell.

What we claim as our invention is—

1. The suspender pulley block or shell C, having two rollers, *c' c'*, in the same plane, and a ring, loop, or eye, *c*, whereby it is fastened to the web, substantially as shown and described.

2. The combination of shoulder-straps or webs A A, having binding-section B, with pocket or opening *b*, swiveling pulley block or shell C, having ring or loop *c*, and two rollers, *c' c'*, and back cords or straps, D D, substantially as shown and described.

3. In combination with an adjusting-buckle, the front single cord, F, having clamp and ring at its upper end, substantially as shown and described.

In testimony that we claim the foregoing we have hereunto set our hands this 22d day of September, 1879.

LEWIS OPPENHEIMER.
OSCAR OPPENHEIMER.

Witnesses:

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