

J. B. SHARP.
SUSPENDERS.

No. 181,487.

Patented Aug. 22, 1876

Fig. 1.

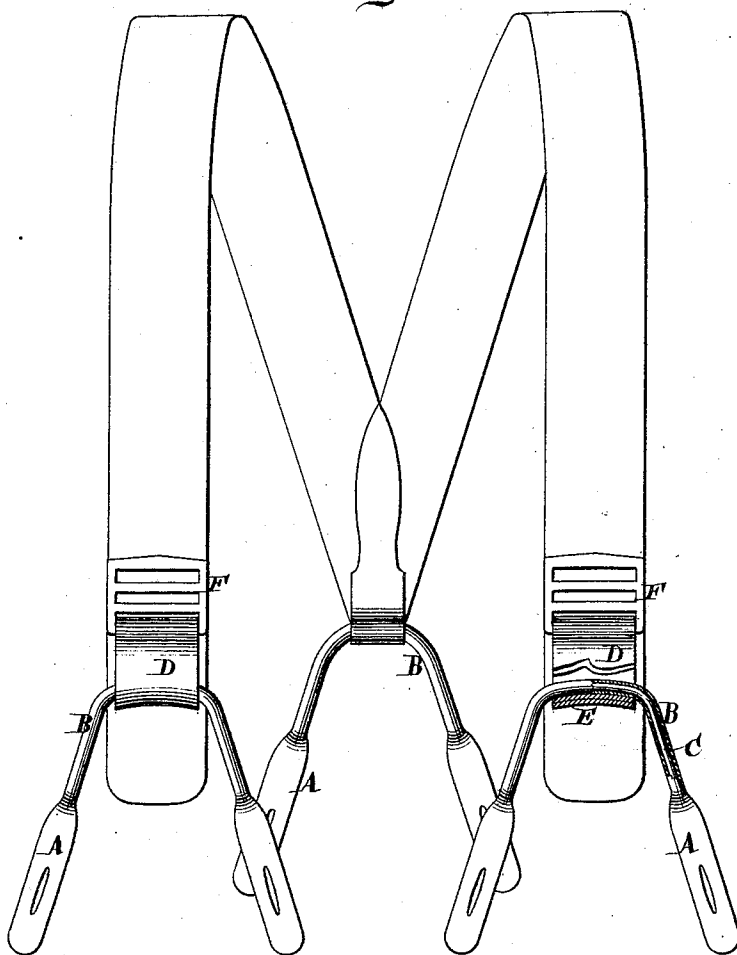


Fig. 3.

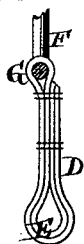


Fig. 2.



Witnesses.

Otto Hufeland.
Robert E. Miller.

Inventor.

James B. Sharp
per
Van Santvoord & Hauff
Attorneys

UNITED STATES PATENT OFFICE.

JAMES B. SHARP, OF NEW YORK, N. Y.

IMPROVEMENT IN SUSPENDERS.

Specification forming part of Letters Patent No. **181,487**, dated August 22, 1876; application filed June 6, 1876.

To all whom it may concern:

Be it known that I, JAMES B. SHARP, of the city, county, and State of New York, have invented a new and useful Improvement in Suspenders, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a front view of a pair of suspenders containing my improvement, partly in section. Fig. 2 is a cross-section of one of the straps, detached. Fig. 3 is a like section of the buckle connection, detached.

Similar letters indicate corresponding parts.

My invention relates to certain improvements in suspenders; and consists in a button-strap, of woven, braided, or knitted fabric, which is made tubular for part of its length, so as to adapt it to a looped buckle-connection, so called, such tubular part being provided with a flexible core, for the purpose of preserving its shape. It also consists in combining, with a button-strap made as aforesaid, a buckle-connection, which is composed of a flat strip of woven, braided, or knitted fabric, provided at its ends with two loops—one for the reception of the button-strap, and the other for the reception of the buckle.

In the drawing, the letter A designates a suspender-button strap, of woven, braided, or knitted fabric, which is provided with a tubular part, B. This tubular part B extends through the central part of the strap A, or that part thereof which is situated between the button-holes, and it is preferably made to terminate a short distance above the button-holes, as shown. The said tubular part B may be formed by using a flat strap, of the usual shape, which is turned over on itself transversely, and sewed or otherwise fastened together at the edges, as in the present example of my invention. In some cases, however, I so weave or knit the strap A as to produce the tubular part B in the form of a seamless pocket.

Within the tubular part B of the strap is placed a core, C, of any suitable flexible material, such as, for instance, a piece of rope or twine. I make the said core C of such thickness, relatively to the tubular part B, that it

is held in place by frictional contact with the latter; but, if desired, the core may be sewed or otherwise fastened.

It is obvious that by the core C the tubular part B is effectually preserved in shape, while, through such tubular part, the strap A is adapted to be used in conjunction with a looped buckle-connection.

The letter D designates a buckle-connection, composed of a double flat strip of woven, braided, or knitted fabric, which is bent on itself lengthwise, and the ends of which are united or fastened together, as clearly shown in Fig. 3, so as to form a closed loop, E.

The said double flat strip D, composing the buckle-connection, is fastened to the buckle F of a suspender by passing the strip through the buckle before it is doubled, as shown at G in Fig. 3, and thus the attachment of the said connection is greatly facilitated.

The loop E of the buckle-connection serves to receive the tubular part B of the strap A; and by making the said connection of a double strip of woven or knitted fabric I not only facilitate its attachment, as above stated, but also obtain a very firm and durable support for the strap.

The buckle-connection may either be made as above stated, or it may be produced by weaving it with the loops to receive the buckle and the strap. In practice it will be made tapering, the loop E, which receives the tubular part B of the strap A, being at the narrow end.

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

A button-strap for suspenders, composed of a flat strip of knitted, braided, or woven fabric, bent on itself crosswise over a rounded core, and united at its edges, to impart a circular shape to the strip, and adapt it to slide in a looped buckle, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 3d day of June, 1876.

JAMES B. SHARP. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.