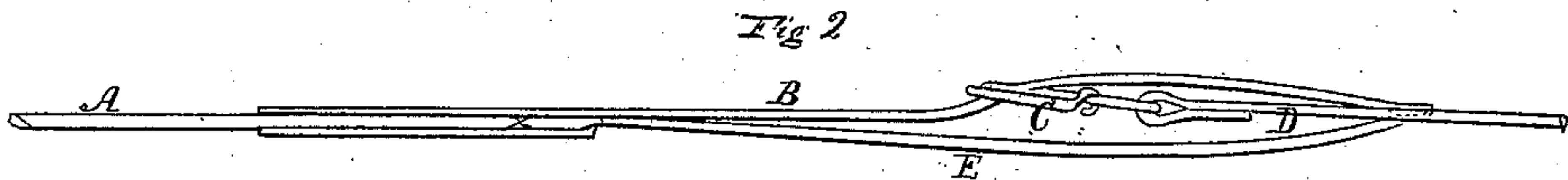
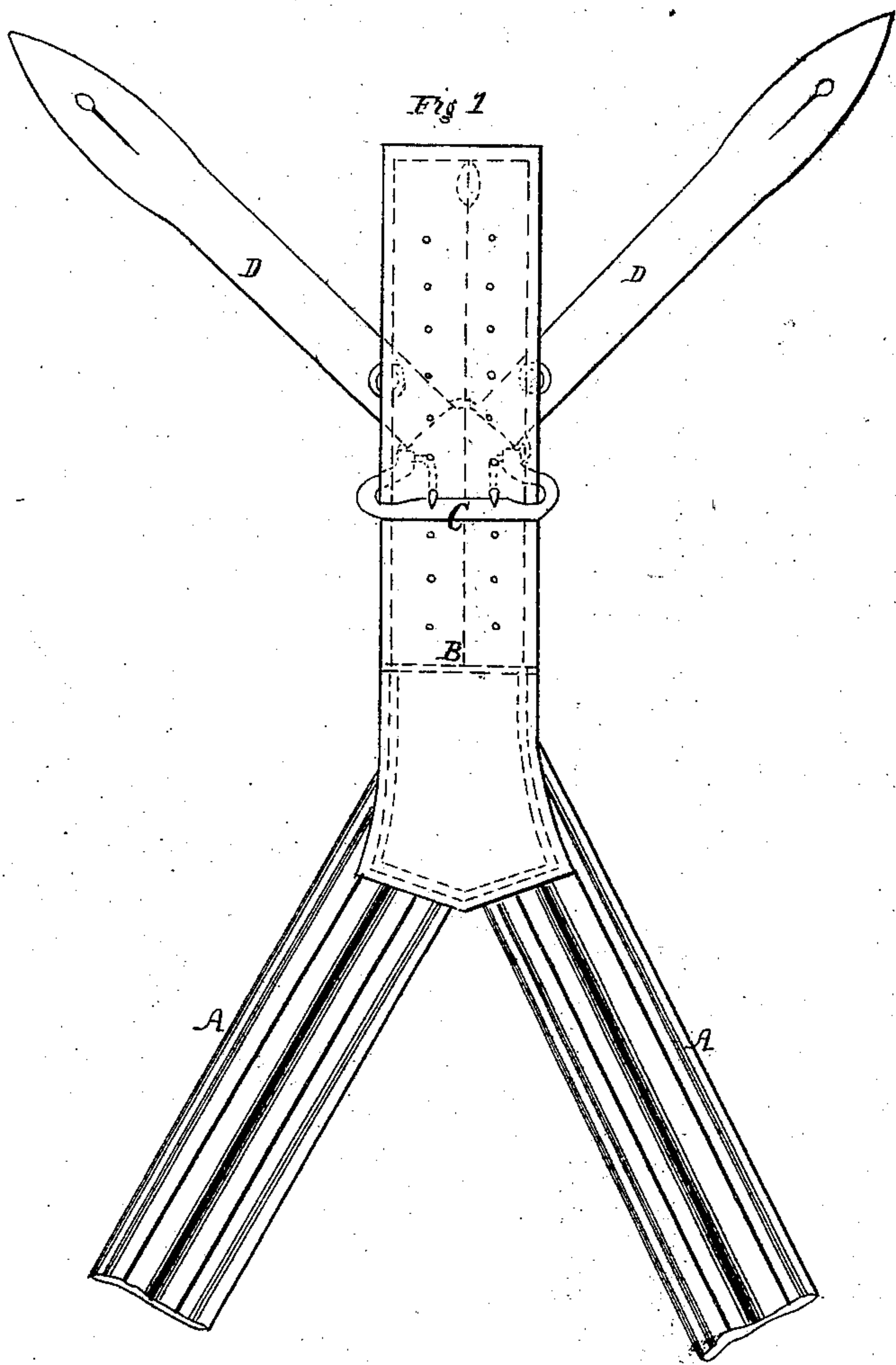


A. B. Wilcox,
Suspender.

No. 93655.

Patented Aug 10, 1869



Witnesses.

Harry King
C. L. Lunt

Inventor.

A. B. Wilcox
per *Handy Mason*
Attor.

United States Patent Office.

A. B. WILCOX, OF LOWELL, MASSACHUSETTS.

Letters Patent No. 93,655, dated August 10, 1869.

IMPROVEMENT IN SUSPENDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, A. B. WILCOX, of Lowell, in the county of Middlesex, and in the State of Massachusetts, have invented certain new and useful Improvements in Suspenders; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in an adjustment, in the back, of a suspender; and, also, in providing suspender-straps with a lining of cloth or other suitable material.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a side view, and

Figure 2, an edge view.

A A represent two suspenders fastened together at the back, and from the point of fastening, a strap, B, made of web or leather, extends.

On the strap B is placed a buckle, C, having two straps D D, which are to be buttoned to the pantaloons.

On the under side of the strap B is a lining, E, of cloth or other suitable material, which is fastened to the upper and lower ends of the strap, allowing the buckle to be moved up and down between the strap and lining.

The main object of an attached or fastened-together suspender is to keep it on the form or shoulders when the coat and vest is off, and fit the form so as to wear easy, which object cannot be attained without the fastening is adjusted to the right or natural place on the form.

It is very important that the angle of the suspender should be right, in order that it may stay on the form properly when a man is at work with coat and vest off; but no matter what the angle is, there is but one natural or right place for the fastening to come on the form, and that is, so that the shoulder-strap may draw

perfectly true or straight from the fastening over the form or shoulder, and then, if the angle of the suspender is correct, it will both fit and stay on the form perfectly.

If the fastening is brought too high on the form, the web curls on the outside at the fastening, and there is no fit, consequently there is a continual draw or unnatural strain of the suspender on the form.

If the fastening is brought too low on the form, the web curls on the inside at the fastening, and there is again no fit, and not only the unnatural draw or strain of the suspender, but a much worse difficulty to contend with, namely, the suspender spreads and throws the shoulder-strap to the point of the shoulder, so that it cannot be kept on the form of the wearer, and defeats the very object for which a fastened-together suspender was designed, namely, to stay on the shoulder when the wearer is at work with coat and vest off, and makes it much worse, in that respect, than a separate suspender.

By having the adjustment in the back, I am enabled to bring the fastening to the right or natural place on the form, and to vary the length of the suspender according to the length of the wearer.

The lining E serves as a protection of the form and clothing from the wear and tarnish of the buckle, and can be applied to the front as well as the back part of the suspender.

Having thus fully described my invention,

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

The arrangement of the elastic straps A A, leather piece B, lining E, looped buckle C, and straps D D, all substantially as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand and seal, this 21st day of April, 1869.

A. B. WILCOX. [L. s.]

Witnesses :

JOSIAH HUBBARD,
JAMES LOUGHRAN.