J. W. SMITH.

Suspenders.

No. 146,486. Patented Jan. 13, 1874.

Fig. 1.

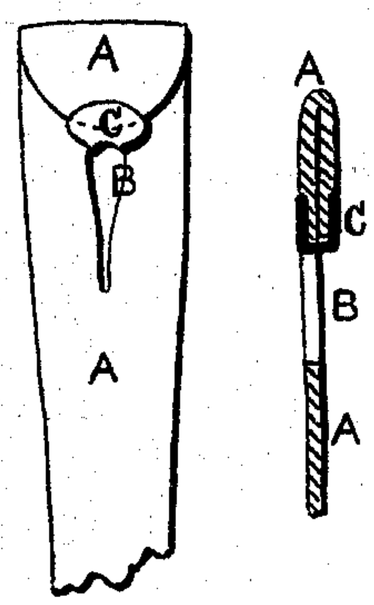


Fig. 2.

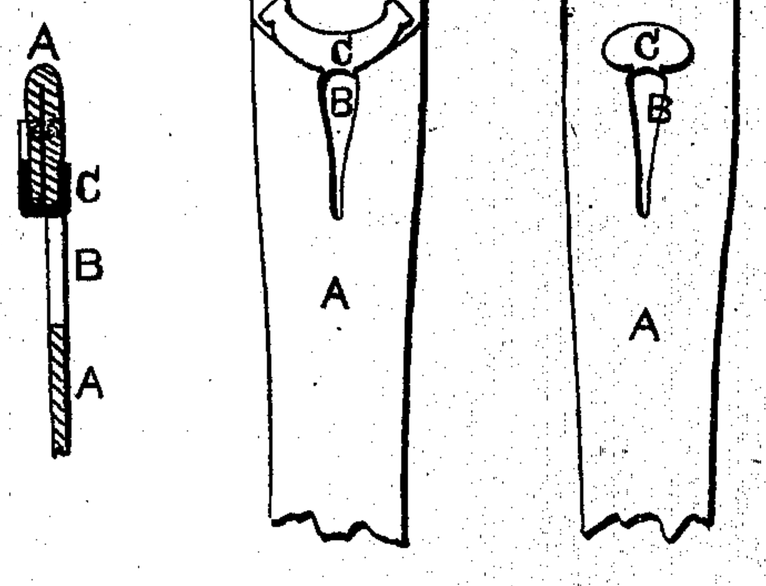


Fig. 3.

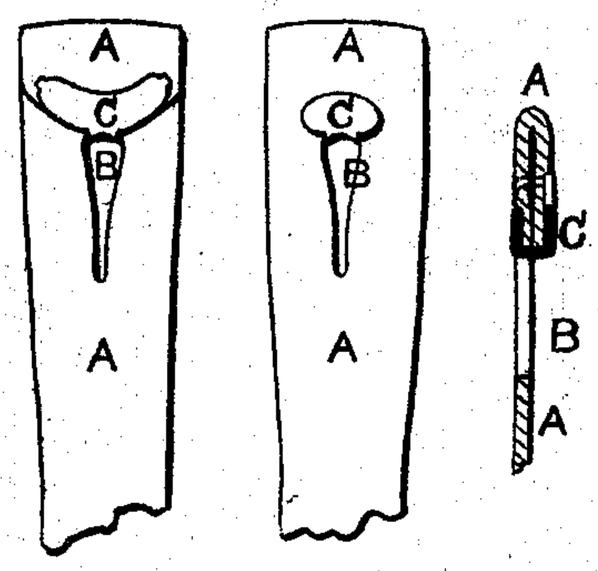


Fig. 4.

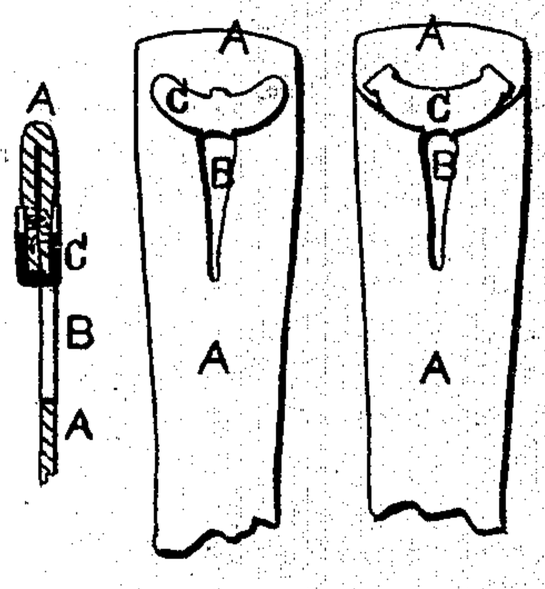
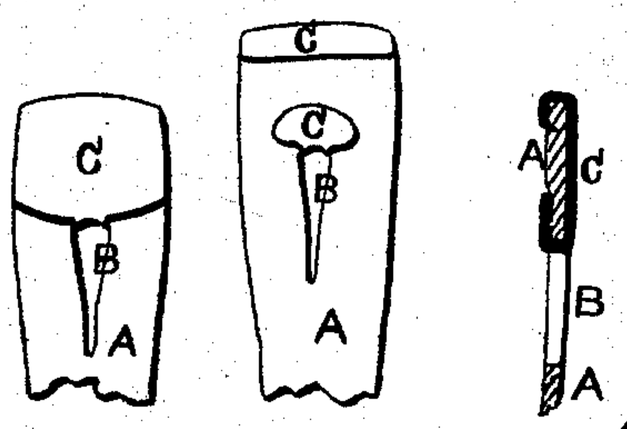


Fig. 5.



Witnesses:
J. E. Knox.
Henry W. Holland

Joseph Wm. Smith
by J. E. Maynadier
his Attorney.

UNITED STATES PATENT OFFICE.

JOSEPH WILLIAM SMITH, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO BAY STATE SUSPENDER COMPANY, OF SAME PLACE.

IMPROVEMENT IN SUSPENDERS.

Specification forming part of Letters Patent No. **146,486**, dated January 13, 1874; application filed November 26, 1873.

To all whom it may concern:

Be it known that I, JOSEPH WILLIAM SMITH, of Boston, Massachusetts, have invented an Improvement in Suspender Ends, of which the following is a specification:

In the drawings, A is a piece of web, with the button-hole B near one of its ends. C is a metal plate, bent into the form shown, and secured to the suspender end A by the enlarged parts lying on each side of it, and by the connecting portion extending through the button-hole, as shown in the drawings; and it may be further secured by small projections from the plate entering the web and clinched, as indicated in the sectional figures. When the web is folded, as shown in Figures 1, 2, 3, and 4, the raw end is so clamped between the two enlarged portions of the plate A that it cannot ravel, and thus the expense of binding the raw ends is saved. This is also true when the plate is formed and applied as in Fig. 5. The plate C is made of thin sheet metal, and, when ready for use, consists of two enlarged parts connected together by the short trough-like piece which extends through the button-hole. After it is inserted the two enlarged parts are pressed toward each other and firmly down upon the web, so as to cover the raw edge, as shown. The trough-like connecting-piece which extends through the button-hole not only aids in holding the plate securely, but also prevents the wear of the button-hole. On the other hand, the enlarged portions of the plate not only serve to prevent the raw edge from raveling, but also serve to keep the trough-like portion of the plate, which extends through the button-hole, in its place.

I am aware that metal plates bent round and securing the ends of woven fabrics are well known, (see Letters Patent to Sharp and Seymour, November 6, 1866, No. 59,465,) and also that metal shield-pieces or protectors for the ends of button-holes are well known, (see English patent to A. Johnson, No. 949 of 1871,) and I do not claim to have discovered either of these.

My invention consists in the combination, with a suspender end, of a plate which performs the function performed by the Sharp and Seymour device—*i. e.*, protects the edge—but is secured to the suspender end in a materially-different and better manner by a connecting-piece which passes through the button-hole in the suspender end, and in such a way that it also performs all the functions performed by the Johnson device.

What I claim as my invention is—

The combination of the suspender end A, having a button-hole, B, with the plate C, when constructed and arranged together as described, and so as not only to strengthen, but also to protect, the edge, as described.

JOSEPH WM. SMITH.

Witnesses:
J. E. KNOX,
HENRY W. HOLLAND.