F. ECKERMANN.

SUSPENDER-CLASPS.

No. 193,811. Patented Aug. 7, 1877.

Fig: 1

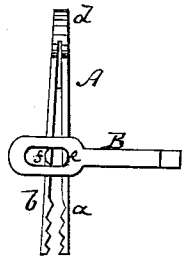


Fig: 2

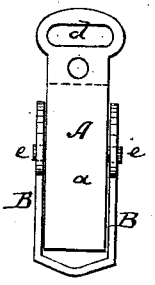
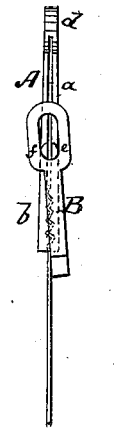


Fig: 3



Witnesses:
John C. Tunbridge.
D. V. Briesen

Inventor:
Friederich Eckermann
by his attorney
A. V. Briesen

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FRIEDERICH ECKERMANN, OF NEW YORK, N. Y.

IMPROVEMENT IN SUSPENDER-CLASPS.

Specification forming part of Letters Patent No. **193,811**, dated August 7, 1877; application filed May 25, 1877.

To all whom it may concern:

Be it known that I, FRIEDERICH ECKERMANN, of the city of New York, county and State of New York, have invented an Improved Suspender-Clasp, of which the following is a specification:

Figure 1 is a side view of my improved suspender-clasp, showing it opened. Fig. 2 is a face view of the same, showing it closed. Fig. 3 is a side view of the same, showing it closed.

Similar letters of reference indicate corresponding parts in all the figures.

This invention relates to a new attachment to suspenders and analogous devices for fastening the same to garments or fabrics without the use of buttons, that were heretofore required.

The invention consists in constructing a clasp of two plates, which are provided with projecting pins, and combined with a slotted yoke-shaped lever for closing the same upon the fabric, all as hereinafter more fully described.

In the drawing, the letters *a* and *b* represent the two plates of which the body A of my improved clasp is constructed. These plates are, at their upper ends, connected together, either by a hinge or a spring connection, so that their lower ends may be free to be opened apart, as in Fig. 1, and closed, as in Fig. 3. A loop, *d*, may be formed at the joined end of the said two plates, to permit their attachment to a suspender-strap or equivalent device. From the edges of the plates *a b* project, in opposite directions, four pins, *e e f f*—two from one of said plates *a*, and two from the other, *b*. B is a yoke-shaped lever or clamp, with slotted ends. Through each of its long but narrow end slots are fitted two of the pins *e f*, as shown in Figs. 1 and 3. Now, when the lever B is extended at about right angles to the body A, as in Fig. 1, the pins *e f* can separate in the long slot, and the clasp is opened; but when the yoke B is folded against the body A, as in Figs. 2 and 3, the pins *e f* are drawn together in the narrow slot, and the clasp is closed against and secured to any fabric that may have been introduced between the plates *a* and *b*.

To cause the plates *a b* to take a firm hold of the fabric, their inner faces may be roughened or serrated, as indicated.

I claim as my invention—

The clasp composed of the plates *a b*, pins *e f*, and slotted yoke B, substantially as herein shown and described.

The foregoing description of my invention signed by me this 24th day of May, 1877.

FRIEDER. ECKERMANN.

Witnesses:

ERNEST C. WEBB,

F. V. BRIESEN.