

J. E. RICHARD.
Belt-Fastenings.

No. 147,691.

Patented Feb. 17, 1874.

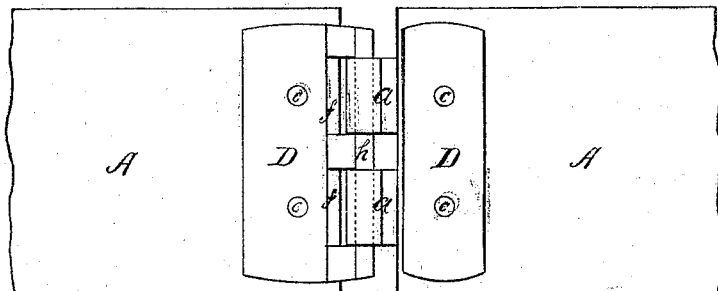


Fig. 1.



Fig. 2.

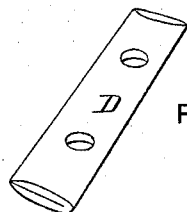


Fig. 3.

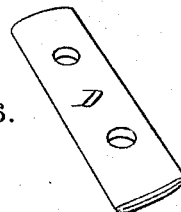


Fig. 6.

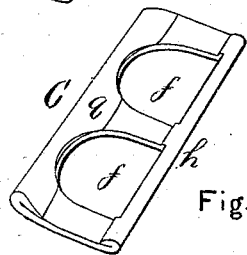


Fig. 4.

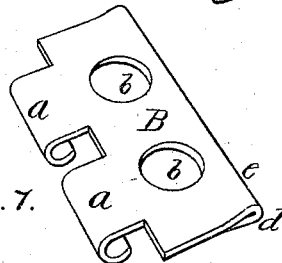


Fig. 7.

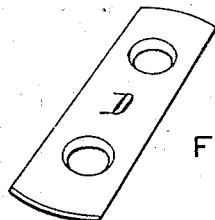


Fig. 5.

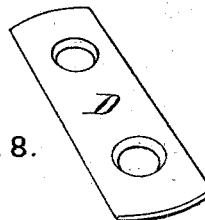


Fig. 8.

WITNESSES.

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IMPROVEMENT IN BELT-FASTENINGS.

Specification forming part of Letters Patent No. **147,691**, dated February 17, 1874; application filed June 21, 1873.

To all whom it may concern:

Be it known that I, JEAN E. RICHARD, of Columbia, in the county of Richland and State of South Carolina, have invented a new and valuable Improvement in Belt-Fastenings; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a top view of my belt-fastening. Fig. 2 is a sectional view of the same. Figs. 3, 4, 5, 6, 7, and 8 are details of the same.

This invention has relation to fastenings for belting; and it consists in the construction and novel arrangement of the hook and eye plates, having wedge-shaped rear edges, and perforated for the passage of the clamp-screws, and the plate-clamps, whereby said plates, whether embedded in the belting, or outside thereof, will be securely held by the clamps and screws.

In the accompanying drawings, the letter A designates the ends of an ordinary belt of the flat form. B indicates the hook-plate usually provided with double hooks *a a* perforated with large perforations at *b b*, in order to avoid pulling against the clamp-screws *c*, and, when thin metal is used in the construction, folded back at *d* along the rear edge to form the wedge or core *e*. C represents the slotted or eye-plate, having usually the large duplicate openings *f*, designed to clear the clamp-screws as well as to receive the beaks of the hooks of the opposite plate. If constructed of thin

or sheet metal the core *g* may be formed by doubling the rear edge, and the front bars *h*, with which the hooks engage may be doubled for strength, and, if necessary, still further stiffened by the introduction of a wire, the edge being rolled in cylinder form for this purpose. DD represent the plate-clamps located on the outside of the belt-end, and connected by the clamp-screws *c*. These clamps may be constructed of a single thickness of metal, or if greater stiffness is required, the metal may be doubled, as indicated in Figs. 3 and 6, of the drawings.

In securing these fastening devices to the belt-ends, the latter may be split, and the core of the fastening-plate inserted. Or the core of said plate may be placed on the outside of the belt-end, between the latter and the plate-clamp. In either case the plate-clamps are located outside of all, on each side of the belt-end, and preferably forward of the core, after which said clamps are forcibly brought toward each other, and secured by the screws *c*.

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

The combination of the hook and eye plates B C, having the core-expansions *e* at their rear portions, the external plate-clamp D, and the clamp-screws *c*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JEAN E. RICHARD.

Witnesses:

D. B. MILLER, Jr.,
W. L. HANAHAN.