

A. HARTMANN.

Improvement in Stud Fasteners.

No. 121,100.

Patented Nov. 21, 1871.

Fig. 1.

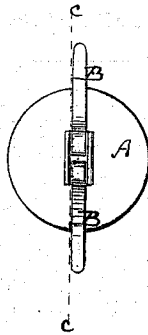
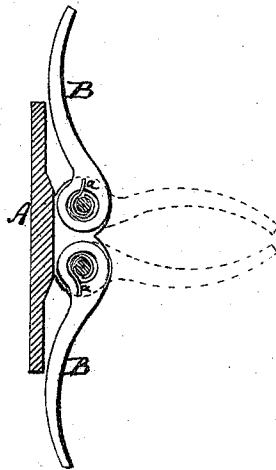


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN STUD-FASTENERS.

Specification forming part of Letters Patent No. 121,100, dated November 21, 1871.

To all whom it may concern:

Be it known that I, ADOLPH HARTMANN, of New York, in the county of New York and State of New York, have invented a new and Improved Stud-Fastener; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a back view of a stud provided with my new fastener. Fig. 2 is a section through the same on the line *c c*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new means for fastening studs, sleeve-buttons, &c., so that they can be readily applied and removed and still be properly held in the fabrics. My invention consists in improving the construction of studs in simplicity, compactness, and convenience, as hereinafter fully described and subsequently pointed out in the claim.

A in the drawing represents a stud of suitable style and size. To its reverse are pivoted two levers, B B, which are connected with coiled or other springs *a a*, whereby they are spread apart in the position shown by full lines in both figures.

The levers can be swung nearly at right angles to the stud, as shown in dotted lines in Fig. 2, whenever it is desired to apply or withdraw the same. The levers are preferably so bent that their ends will meet when they are swung up, and thus facilitate their passage through the button-holes.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

As an article of manufacture, a double-shanked stud provided with levers B B pivoted to said shanks, and coil-springs *a a* arranged on the pivots of said levers, as shown and described.

ADOLPH HARTMANN.

Witnesses:

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(23)