

(No Model.)

J. BERNSTEIN.
BUTTON AND FASTENER THEREFOR.

No. 560,889.

Patented May 26, 1896.

Fig. 1.

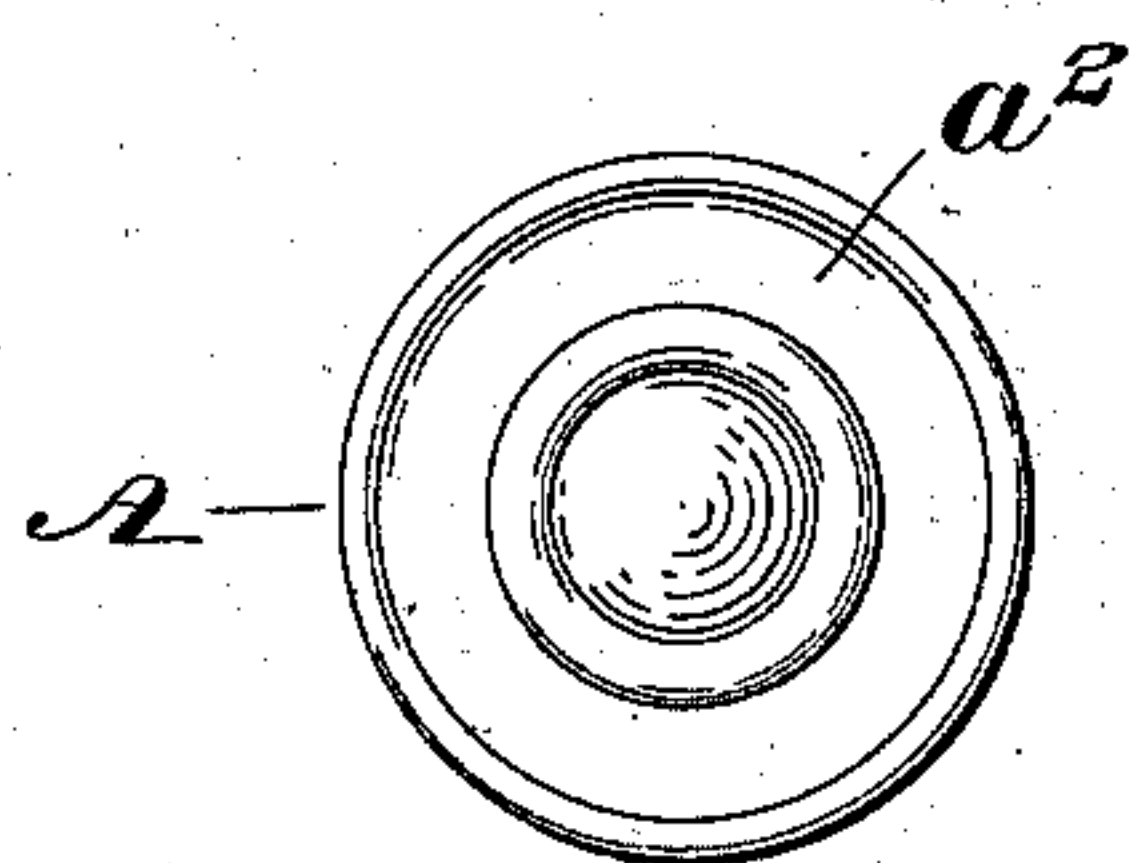


Fig. 2.

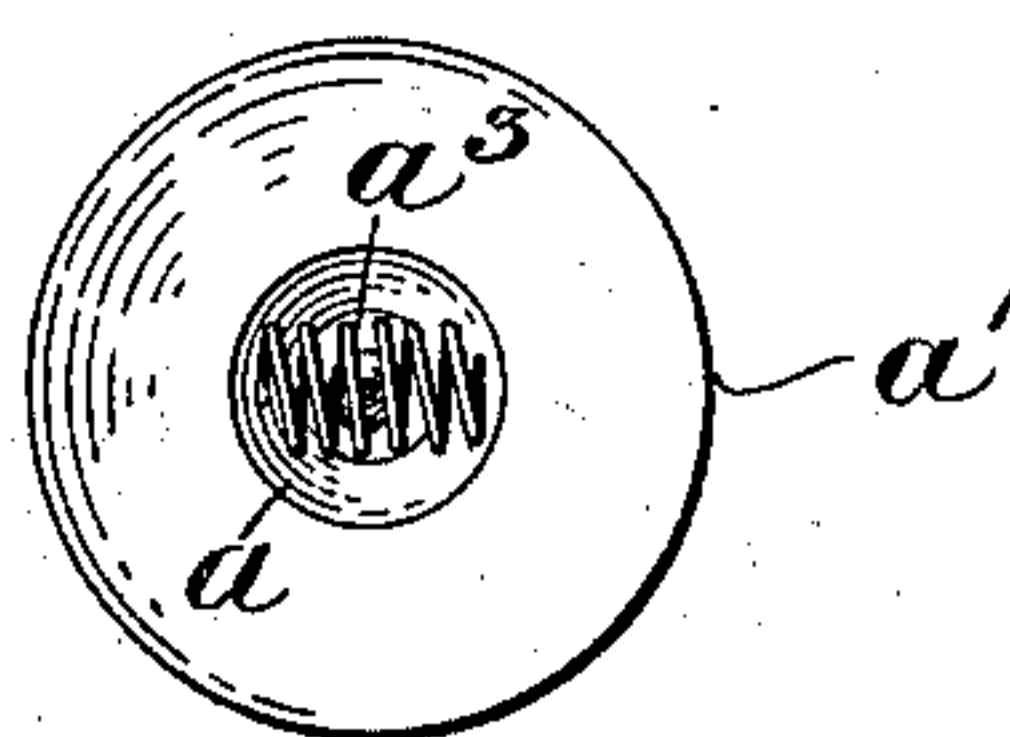


Fig. 3.

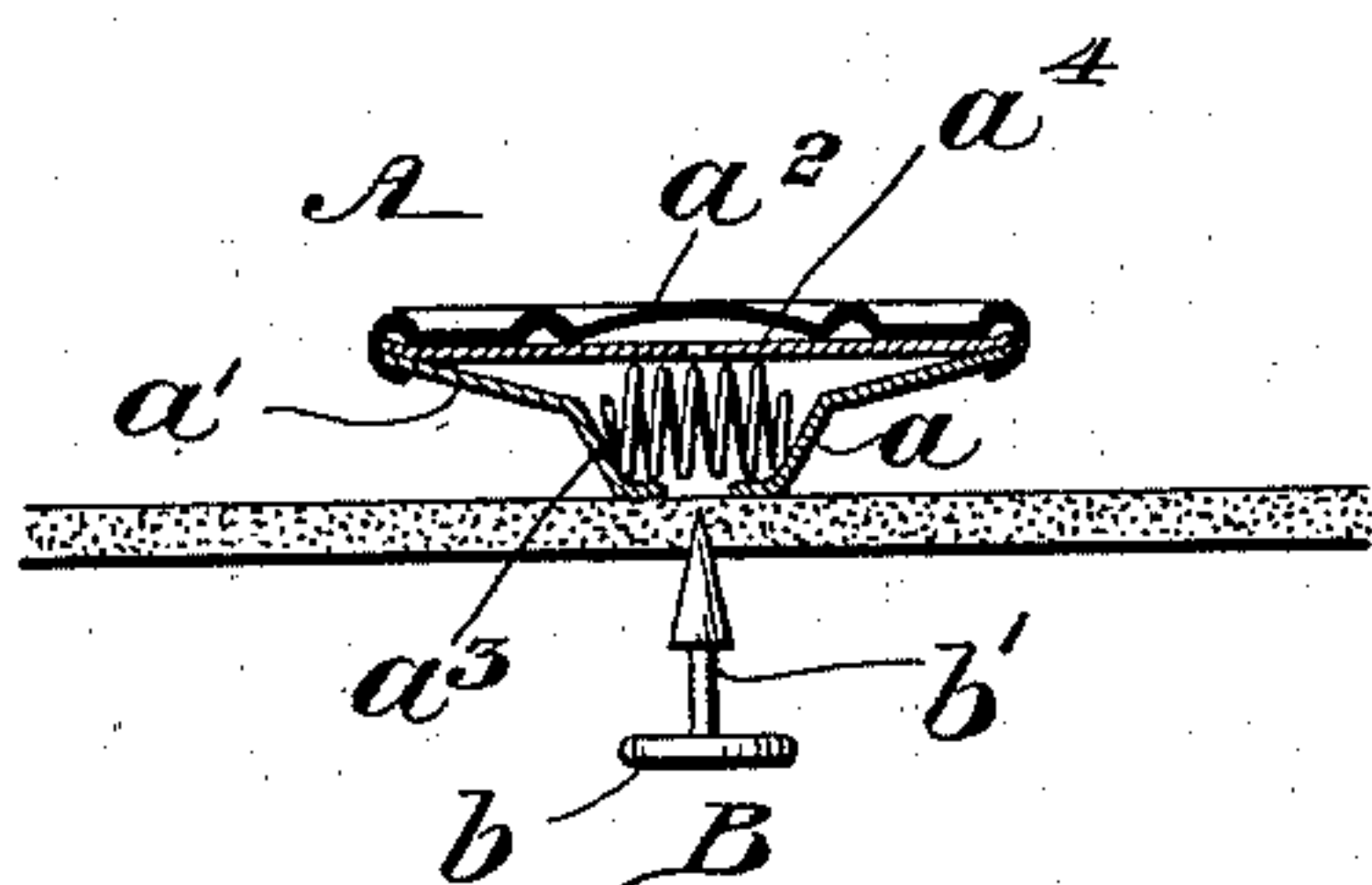
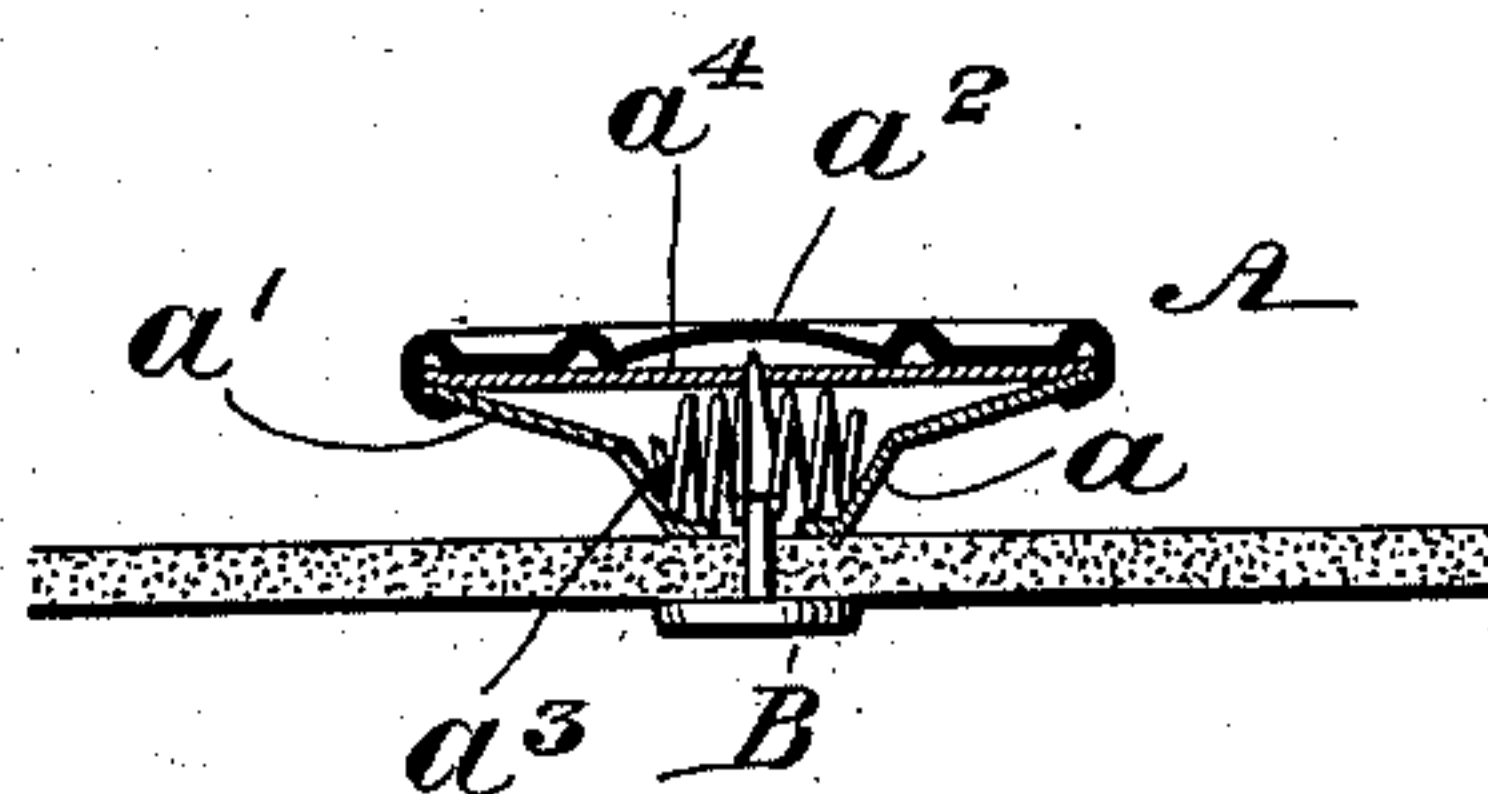


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOSEPH BERNSTEIN, OF PHILADELPHIA, PENNSYLVANIA.

BUTTON AND FASTENER THEREFOR.

SPECIFICATION forming part of Letters Patent No. 560,889, dated May 26, 1896.

Application filed August 17, 1895. Serial No. 559,574. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH BERNSTEIN, a citizen of the United States, residing in the city and county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Buttons and Fasteners Therefor, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

This invention relates to that general class of buttons and their fasteners in which the button comprises a hollow head and the fastener a staple or rivet adapted to be driven through the fabric and interlocked with the button, my object herein being to provide a novel and efficient construction whereby the button shall be expeditiously secured upon the fabric, as will be hereinafter particularly described and claimed.

In the annexed drawings, illustrating the preferred form of my invention, Figure 1 is a plan of the button. Fig. 2 is a similar view with the cap and retaining-disk removed. Fig. 3 is a sectional elevation of the button, the fastener, and the interposed fabric preparatory to their union. Fig. 4 is a similar view with the parts united.

A is the button, the head or body of which embodies the centrally-perforated neck or collet a , flange a' , and disk or cap a^2 , crimped or swaged upon the flange. Confined within the neck is a transversely-disposed spiral spring a^3 , while interposed between the cap and the flange is a centrally-perforated disk a^4 .

B is the fastener, comprising a head b with a central prong or spur b' , having its free end pointed and barbed or shouldered.

To secure the button in place, the point of the fastener is pierced through the reverse side of the fabric, so as to enter the central perforation in the neck of the button. The point thus passes forcibly between the opposed coils of the confined spring and expands or opens the latter until the shoulder or barb enters the interior of the spring, whereupon

the coils resume their normal or inward position and in consequence lock the spur effectually within the button. The point of the fastener penetrates the central orifice in the disk, and thus lateral movement of the point is prevented.

It will be seen that the ends of the spring are opposed by the walls of the neck a and that the longitudinal yielding movement of the spring being in consequence restricted to the body of the latter a permanent locking of the spur between the coils is insured.

The neck of the button is preferably, though not essentially, tapering or flaring, as seen, so that when the strain incident to use is applied to the button the sides of the neck tend to compress the spring, and thus still more effectually lock the parts together.

I would state that the words "transversely-disposed spiral spring" as used in the following claims define a spiral spring so disposed within the button that the rounds or coils of the spring extend diametrically of the button.

I claim—

1. A button provided with a transversely-disposed spiral spring therein and with a centrally-perforated disk, in combination with a fastener provided with a barbed or shouldered prong adapted to be inserted in the button, interlocked with the spring and engaged with the disk, substantially as described.

2. A button comprising the neck, its flange, the cap, the centrally-perforated disk interposed between the cap and the flange, and the transversely-arranged spring fitted within the neck, in combination with a fastener comprising the head and the shouldered or barbed prong, substantially as described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

JOSEPH BERNSTEIN.

Witnesses:

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