

No. 656,419.

F. OLDFIELD.
BUTTON.

Patented Aug. 21, 1900.

(Application filed June 2, 1900.)

(No Model.)

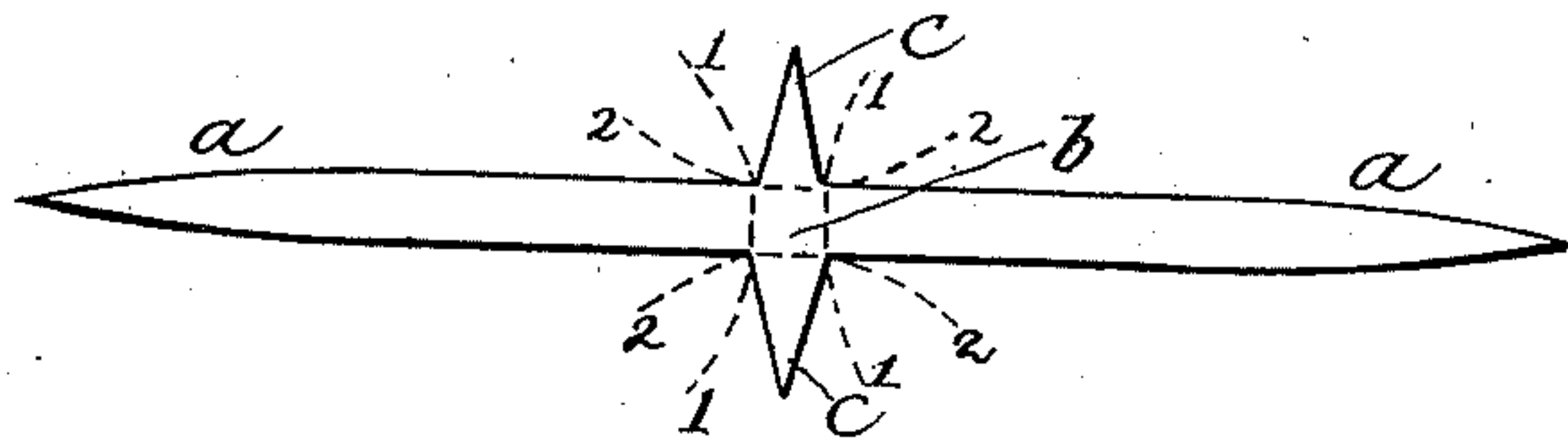


Fig. 1.

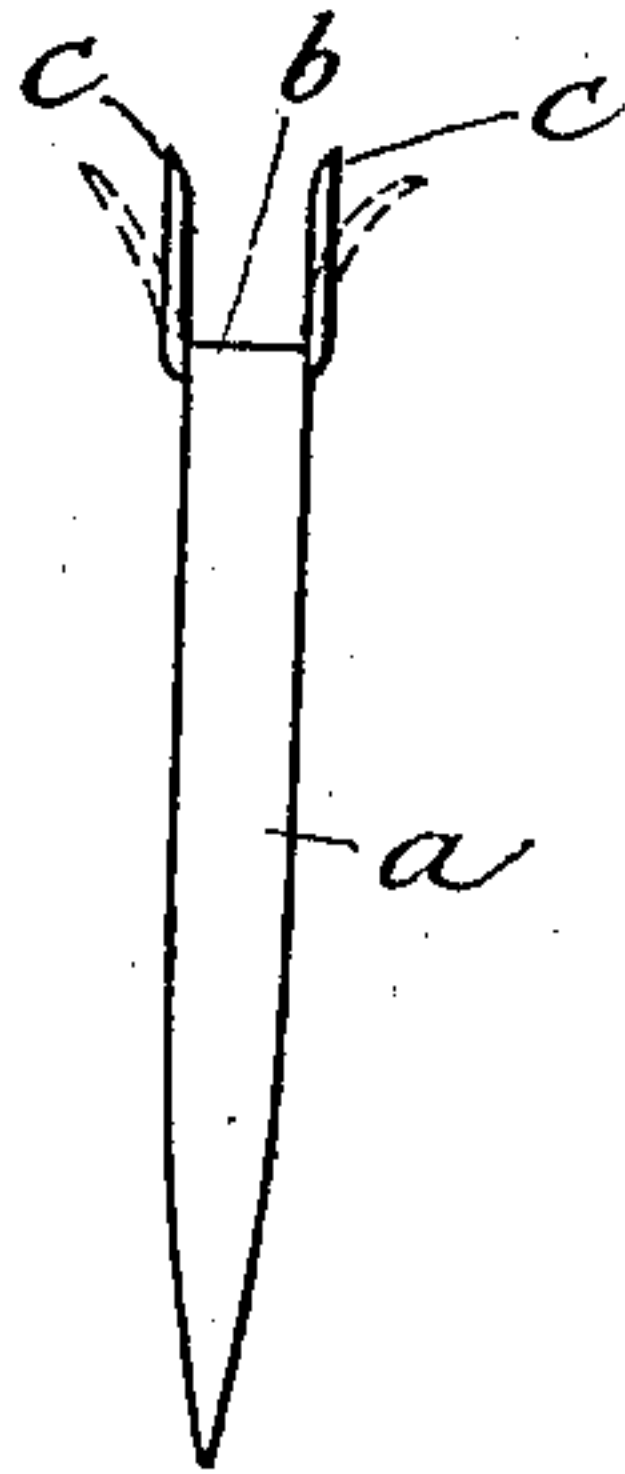


Fig. 2.

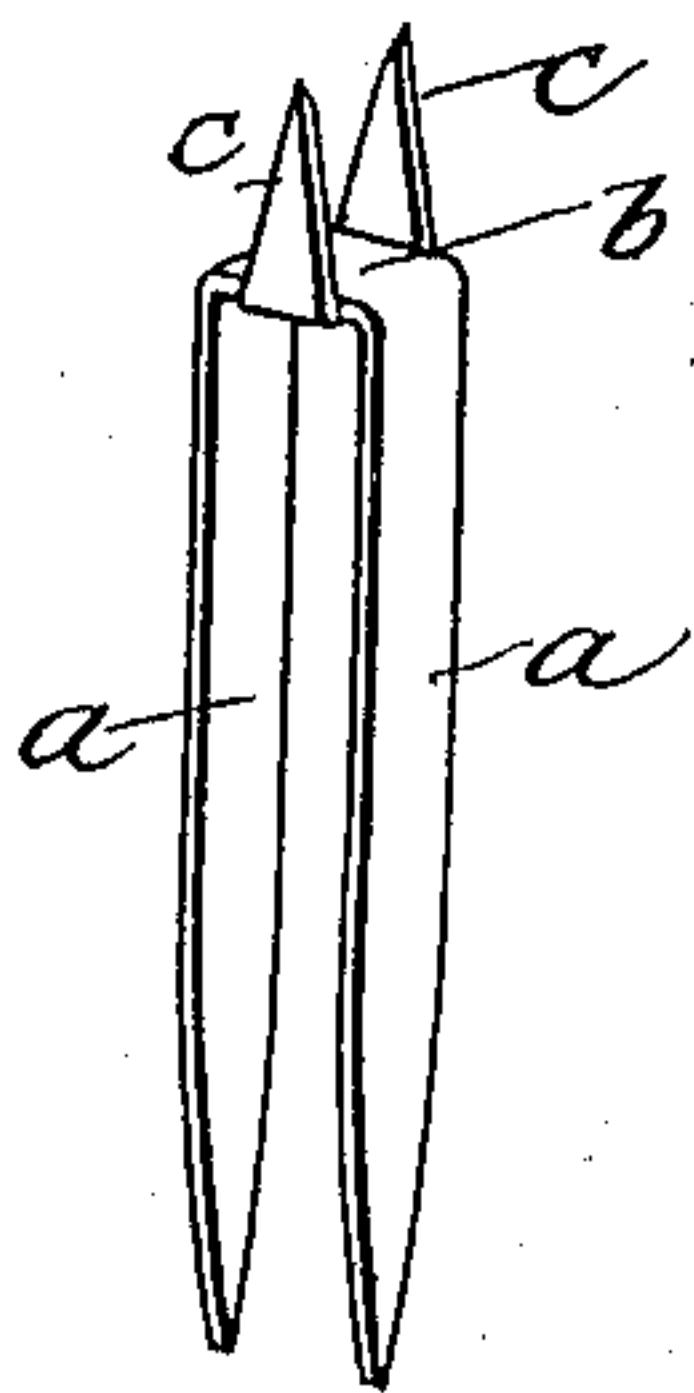


Fig. 3.

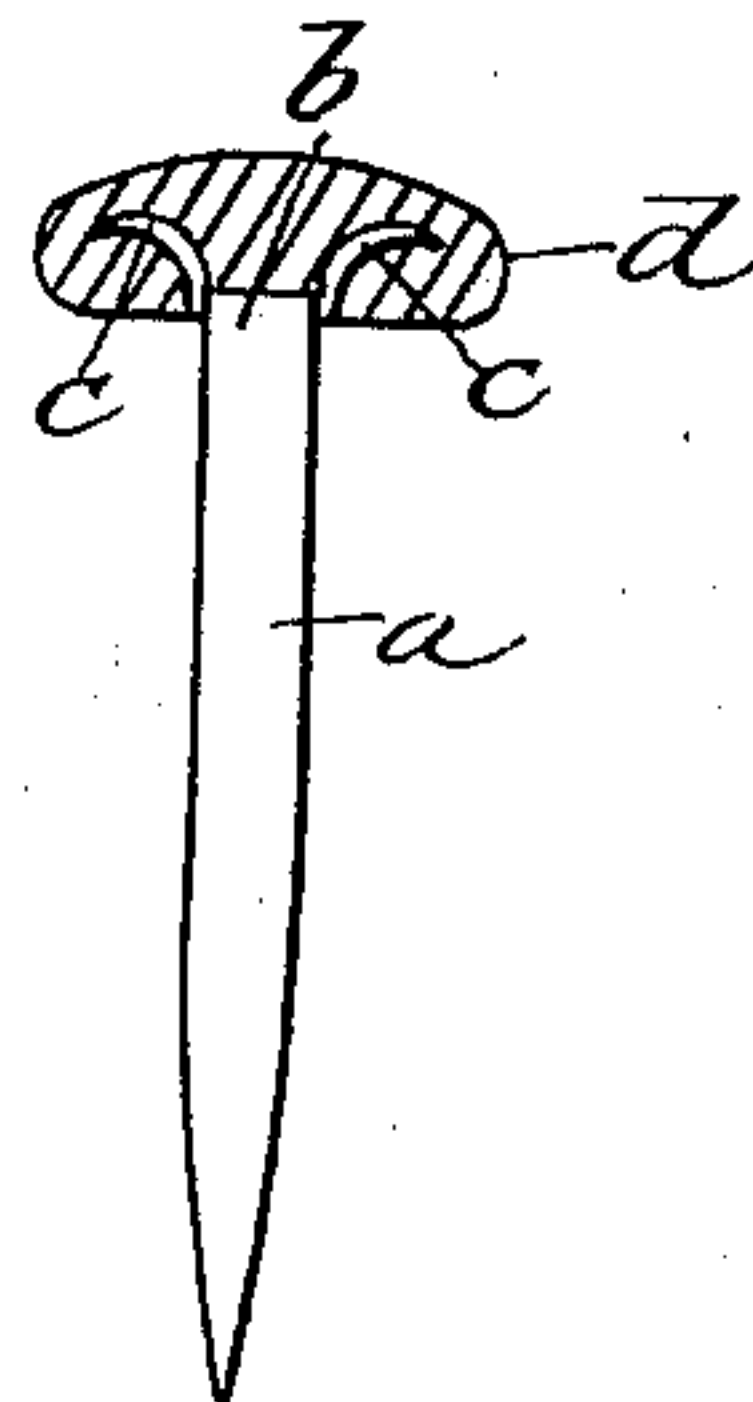


Fig. 4.

WITNESSES

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UNITED STATES PATENT OFFICE.

FREDERICK OLDFIELD, OF PORTSMOUTH, NEW HAMPSHIRE, ASSIGNOR TO
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BUTTON.

SPECIFICATION forming part of Letters Patent No. 656,419, dated August 21, 1900.

Application filed June 2, 1900. Serial No. 18,803. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK OLDFIELD, a citizen of the United States, residing at Portsmouth, in the county of Rockingham and State of New Hampshire, have invented a new and useful Improvement in Buttons, of which the following is a specification.

My invention consists in an improved staple or metallic fastener for the attachment of buttons or button-heads to cushions or like articles and in a button into which my improved staple enters as a component and characteristic part.

In the drawings, Figure 1 shows a form of blank from which my improved staple is struck up; Fig. 2, a perspective view of my improved staple; Fig. 3, a side view of the head of my improved staple, showing the clenching-spurs wherewith the staple is secured to a button-head. Fig. 4 is a cross-section of the button-head with my improved staple embedded therein.

The staple which forms part of my invention is made of sheet metal of proper quality, such as is used in the manufacture of sheet-metal staples or rivets. The blank out of which my staple is formed is struck up in the shape shown in Fig. 1 and is, roughly speaking, star-shaped. The long points *a* of the star constitute the legs of the staple and the short points *c* the clenching-spurs wherewith the staple may be attached to a button-head. The dotted lines 1 1 are the lines at or near which the staple-legs *a* are bent downward, and the dotted lines 2 2 are the lines at or near which the clenching-spurs *c* are bent upward. The central portion *b*, located within these dotted lines, forms the crown or table of my improved staple.

In this described embodiment of my invention I have shown a staple with two legs and two clenching-spurs. The staple may be constructed, if desired, by making the star-shaped blank with more than four points, the long points for the legs alternating with the short points for the clenching-spurs and all arranged about the periphery of a central table.

The tool by which the clenching-spurs are cut in forming blanks should be so shaped as

to give the points and edges of the spurs an outside bevel, the bevels of the spurs *c* as seen in the blank being all toward one side of the blank. Fig. 2 shows the staple with the legs *a* bent downward from the table *b* and the clenching-spurs *c* bent upward therefrom. If it is desired to have the clenching-spurs *c* bent outward upon being forced into a solid penetrable material like that of a button-head, the spurs should be bent, as indicated in Fig. 3, so that the bevels of the spurs face each other. Then the deflection of the spurs will be as indicated in the dotted lines in Fig. 3. A reverse arrangement of the spur-bevels will result in inward deflection.

To form a button of which this improved staple is a characteristic portion, I take a button-head of some solid penetrable material—such as, for instance, compressed paper or wood-pulp—and press the spurs *c* of the staple into the button-head. In Fig. 4 I have shown the button-head *d* in cross-section, with the spurs *c* of my improved staple embedded therein and self-deflected outward. In order to give a smooth finish to the button, sufficient pressure should be applied to force the button and staple together, so that table *b* of the staple is sunk flush with the lower surface of the button-head.

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

1. A fastener for cushion-buttons and like articles consisting of a one-piece staple provided with a table portion, legs depending at intervals from the periphery of the table portion and clenching-spurs bent upward from the table portion with their bases at the periphery thereof in the intervals between the legs.

2. A fastener for cushion-buttons and like articles consisting of a one-piece staple provided with a square table, long legs bent downward from opposite sides of the table and short clenching-spurs bent upward from the other two sides of the table.

3. A fastener for cushion-buttons and like articles consisting of a one-piece staple provided with a table portion, legs depending at intervals from the periphery of the table portion and clenching-spurs bent upward from

the table portion with their bases at the periphery thereof in the intervals between the legs, said clenching-spurs being each beveled on one side.

5 4. A button, consisting of a solid head of penetrable material and a one-piece staple provided with a table portion, legs depending at intervals from the periphery of the table portion and clenching-spurs bent upward from
10 the table portion with their bases at the periphery thereof in the intervals between the legs, said clenching-spurs being embedded in the button-head.

15 5. A button, consisting of a solid head of penetrable material and a one-piece staple provided with a square table, long legs bent downward from opposite sides of the table and short clenching-spurs bent upward from the other two sides of the table said clench-
20 ing-spurs being embedded in the button-head.

25 6. A button, consisting of a solid head of penetrable material and a one-piece staple provided with a table portion, legs depending at intervals from the periphery of the table portion and clenching-spurs bent up-

ward from the table portion with their bases at the periphery thereof in the intervals between the legs said clenching-spurs being each beveled on one side, the said clenching- 30
spurs being self-deflected and embedded in the button-head.

7. A button, consisting of a solid head of penetrable material and a one-piece staple provided with a table portion, legs depend- 35
ing at intervals from the periphery of the table portion and clenching-spurs bent upward from the table portion with their bases at the periphery thereof in the intervals between the legs said clenching-spurs being 40
each beveled on one side, the said clenching-spurs being self-deflected and embedded in the button-head and said table being sunk flush with the lower surface of the button-
45 head.

Signed by me at Portsmouth, New Hampshire, this 14th day of May, 1900.

FREDERICK OLDFIELD.

Witnesses:

CHARLES M. HORTON,
G. H. ANDERSON,
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