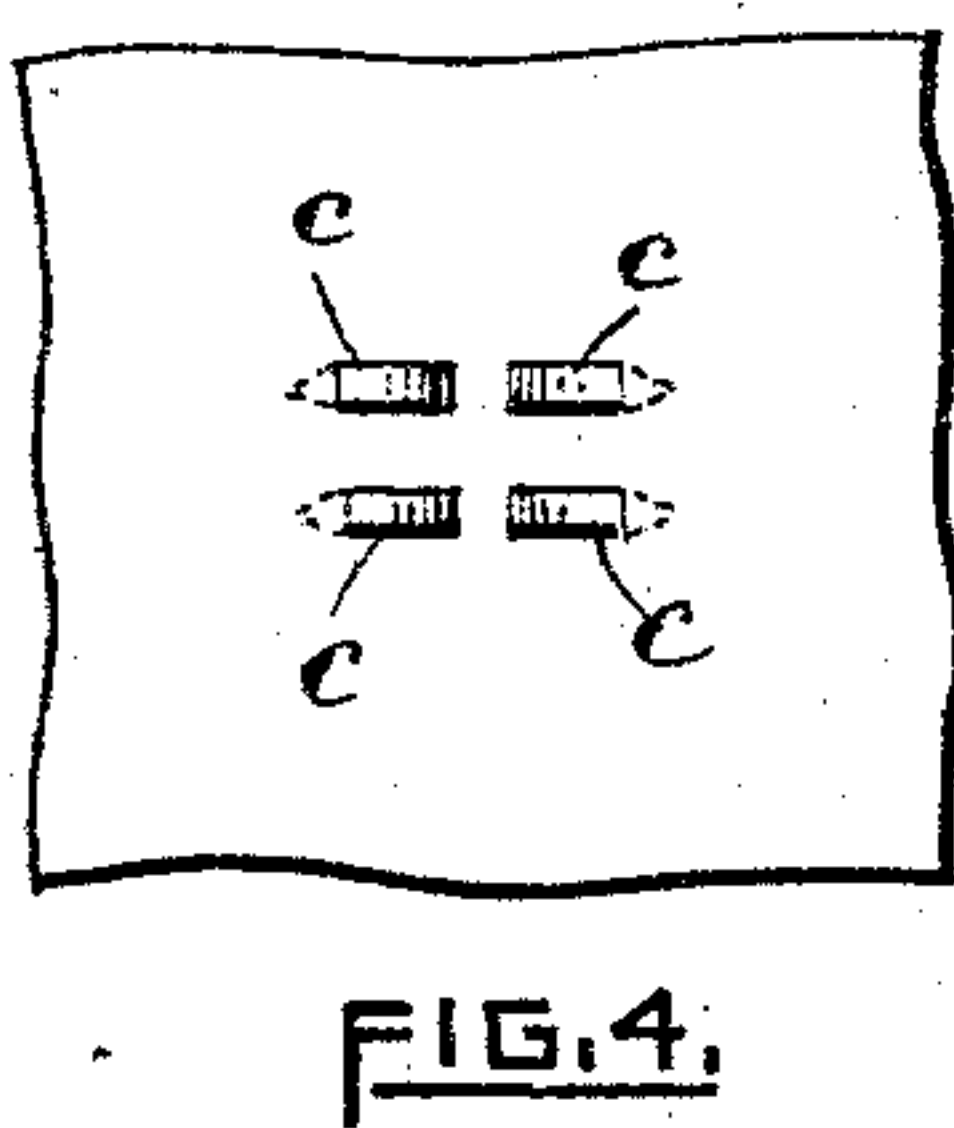
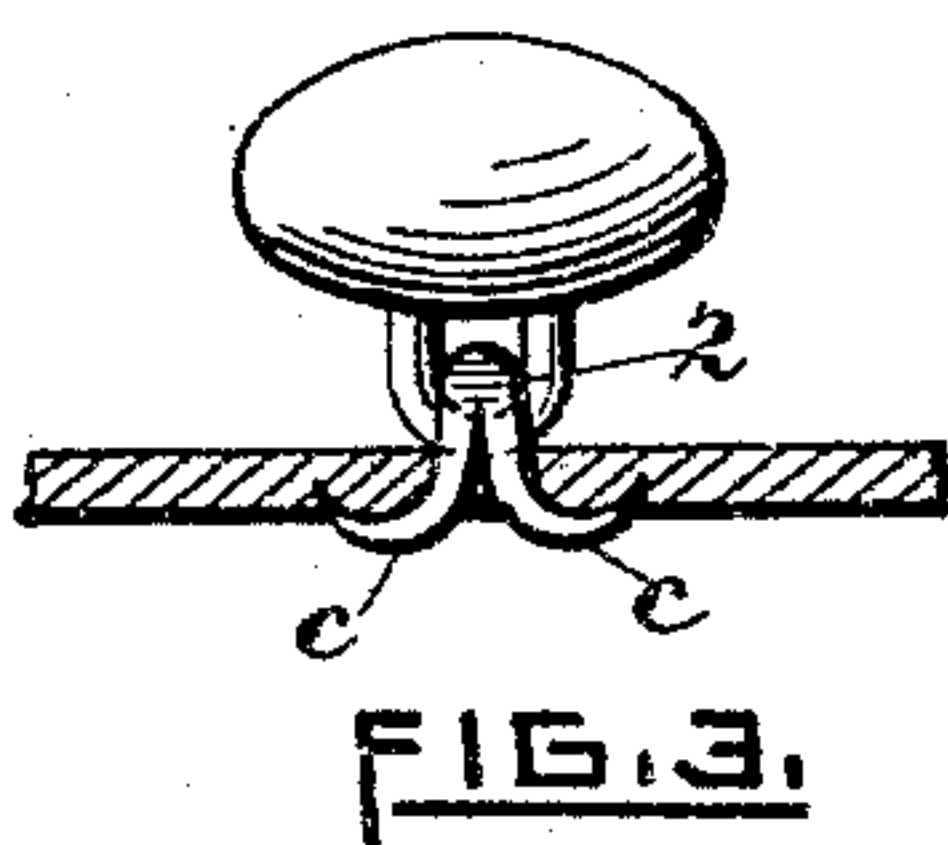
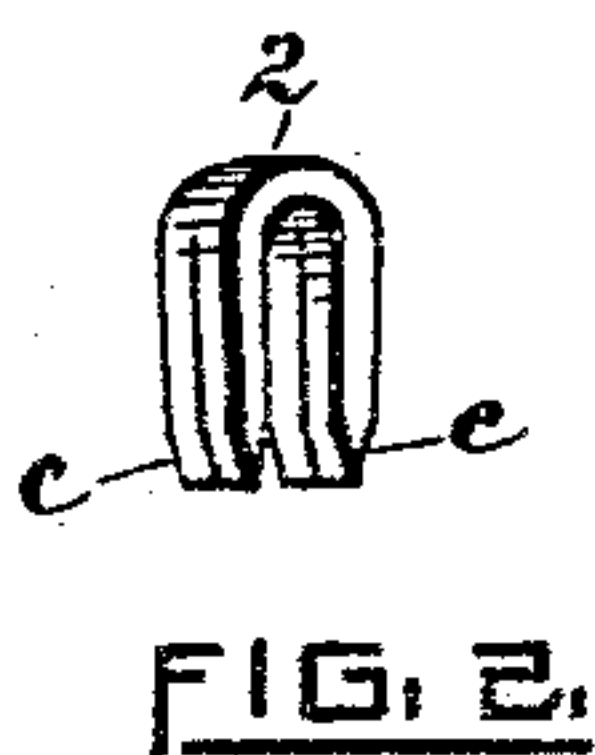
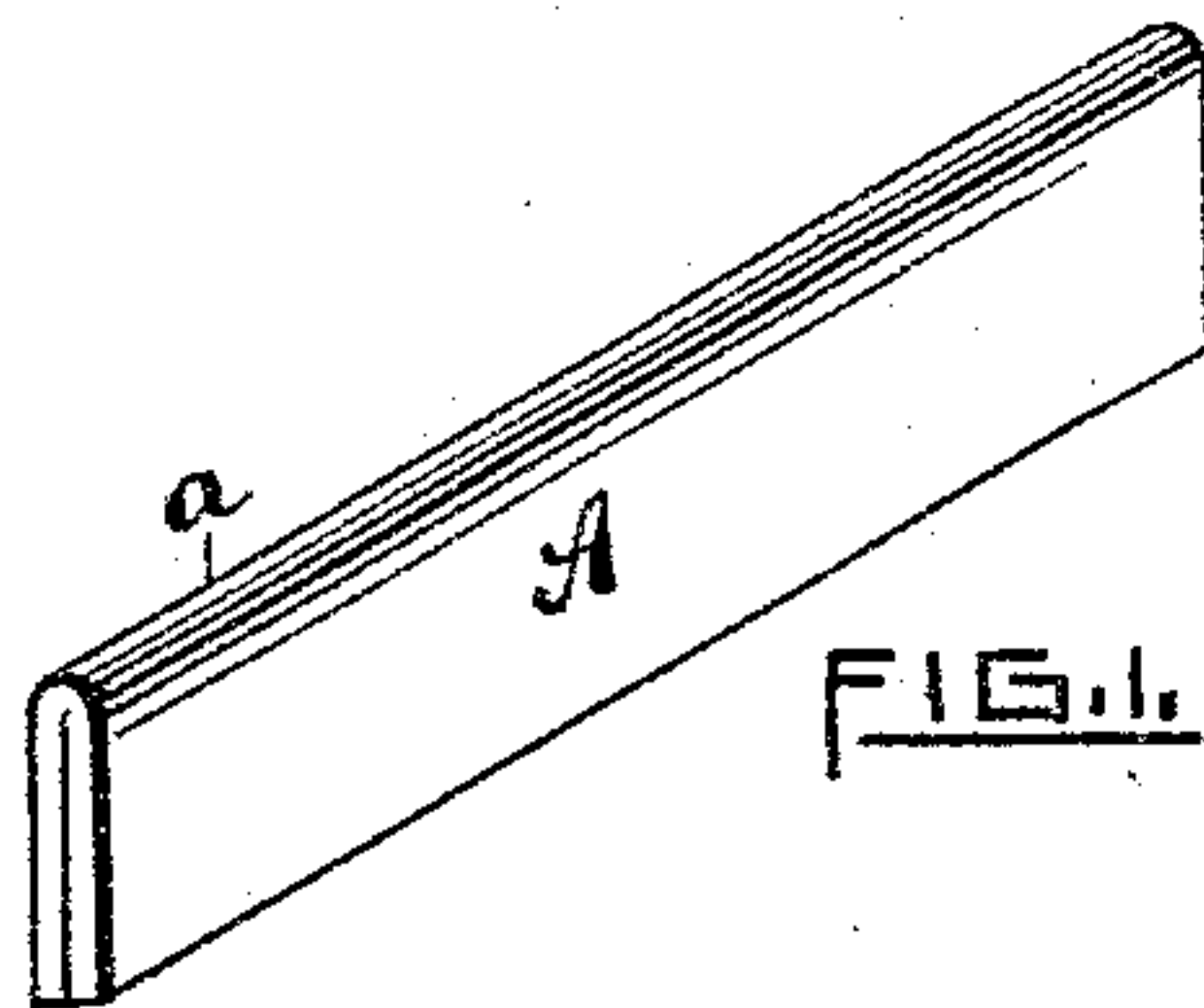


(No Model.)

J. F. THAYER.
BUTTON FASTENER.

No. 321,665.

Patented July 7, 1885.



WITNESSES.

Howard Green
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UNITED STATES PATENT OFFICE.

JAMES F. THAYER, OF PROVIDENCE, RHODE ISLAND.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 321,665, dated July 7, 1885.

Application filed May 7, 1885. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. THAYER, a citizen of the United States, and a resident in the city and county of Providence, and State of Rhode Island, have invented an Improvement in Fasteners, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 This invention has for its object to provide a fastener of new and improved construction and adapted for use as a button-fastener to secure buttons to fabric, or as a lacing hook or stud, or to serve as a fastening hook or button
15 for gloves and the like; and the invention consists, essentially, of a fastener cut from folded sheet metal and having sides or halves substantially parallel and integral with each other, each half having one or more penetrating
20 prongs, and the said halves being joined at their tops, the folded edge of the sheet metal from which the fastener is cut constituting the neck or connecting portion of the halves, as more fully set forth in the following description, and particularly pointed out in the claims.

25 Figure 1 is a perspective view of a strip of folded or doubled sheet metal from which my improved fastener is cut; Fig. 2, a similar view of a fastener adapted for use to secure buttons to fabric; Fig. 3, a sectional view showing the fastener as applied to secure a button to fabric; Fig. 4, a plan of the under side of the material, to clearly show the penetrating prongs as clinched; Fig. 5, an elevation of my improved fastener adapted for use as a lacing hook
35 or stud; Fig. 6, a similar view showing the form of fastener suitable as a glove fastener or button, and Fig. 7 a modification showing a second form of button-fastener. Fig. 7 shows in end and side elevation a fastener adapted to secure a button to fabric and to receive the shank-eye of the button on its shorter arm, while the longer arm, constituting two prongs, may be forced into and clinched to the material, the said shorter arm being adapted to
40 rest on the material to prevent the removal of the button.

In carrying out my invention I take a strip of sheet metal, of suitable thickness and width,
50 and fold or bend it through its longitudinal center to provide a folded or doubled strip, A,

from which I stamp or cut my improved fastener, consisting, essentially, of substantially parallel or adjacent sides or halves, each half having one or more penetrating prongs, the
55 folded edge *a* of the double strip A constituting the top or connecting portion 2 of the halves of the fastener.

The fastener shown in Fig. 2 is cut from the doubled stock in the same manner that ordinary fastener-blanks are cut from sheet metal of single thickness, the die, being of the configuration of the fastener, striking the flat side of the doubled stock, and the top of the die reaching to the top or folded edge of the doubled stock, so that when the fastener is struck
65 from said stock the folded edge of the latter becomes the folded top or connecting portion of the former.

As a fastener to secure buttons to fabric, I prefer the form shown in Fig. 2, wherein each half or side is provided with two penetrating prongs, *c*, and in which the folded edge *a* of the strip A constitutes the top or connecting portion 2 of the fastener, whereby when said fastener is secured to fabric four prongs are provided to be clinched in the under side, substantially as shown in Fig. 4, and thereby provide great holding-power to resist the strains to which button-fasteners are subjected.

80 In Fig. 5 I have shown a form of fastener containing all the essential elements of my invention as adapted for use as a lacing hook or stud, while in Fig. 6 a glove fastener or button is shown.

85 While I deem a fastener in which each side or half is provided with two penetrating prongs, so as to provide four prongs in all, to be the best form for general use, yet, without departing from the spirit of my invention, fasteners with two prongs, as illustrated in Fig. 6, may be made; or, if desired, the number of prongs may be increased to more than four.

The form or configuration of that portion of the fastener which appears above the fabric after having been secured thereto, generally termed the "head," is not of the essence of my invention, since it may be varied to suit the purpose for which it is intended, the essential requisites of my said invention as found in the various forms of fasteners being the sides or
95 halves substantially parallel or adjacent to
100

each other, and provided with one or more penetrating prongs, and in which the folded edge of the double strip constitutes the top or connecting portion of said sides or halves.

5 I claim—

1. A fastener for the purposes specified, consisting, essentially, of equal sides or halves and a folded top or connecting portion, each of said sides having a penetrating prong or prongs, 10 substantially as set forth.

2. A fastener consisting of halves having a connecting portion or top and folded against or next each other, each of said halves having a penetrating prong or prongs adjacent to the

like prong or prongs of the other half, as set 15 forth.

3. A fastener consisting, essentially, of two sides or halves, and having a folded top or connecting portion, 2, each of said sides having two penetrating prongs, c, substantially as 20 shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES F. THAYER.

Witnesses:

HOWARD GREENE,
JAS. H. LANGE.