

(No Model.)

G. W. MCGILL.
METALLIC FASTENER.

No. 337,182.

Patented Mar. 2, 1886.

Fig. 1.

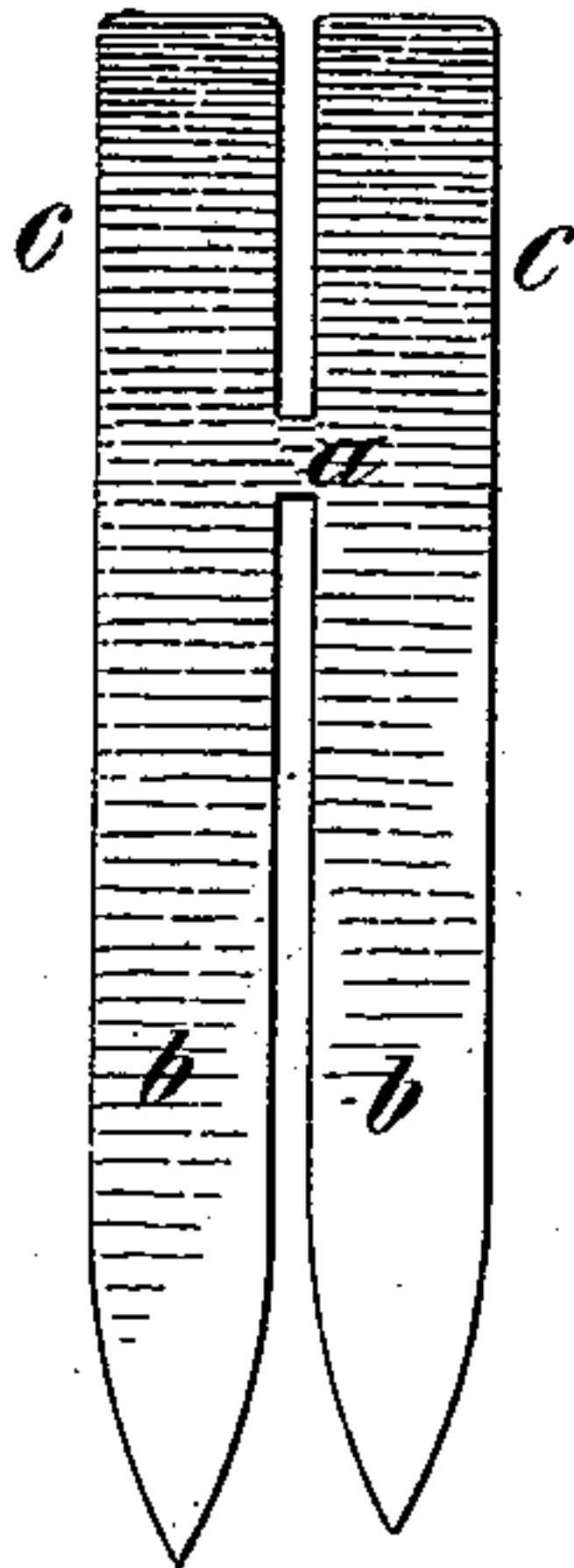


Fig. 2.

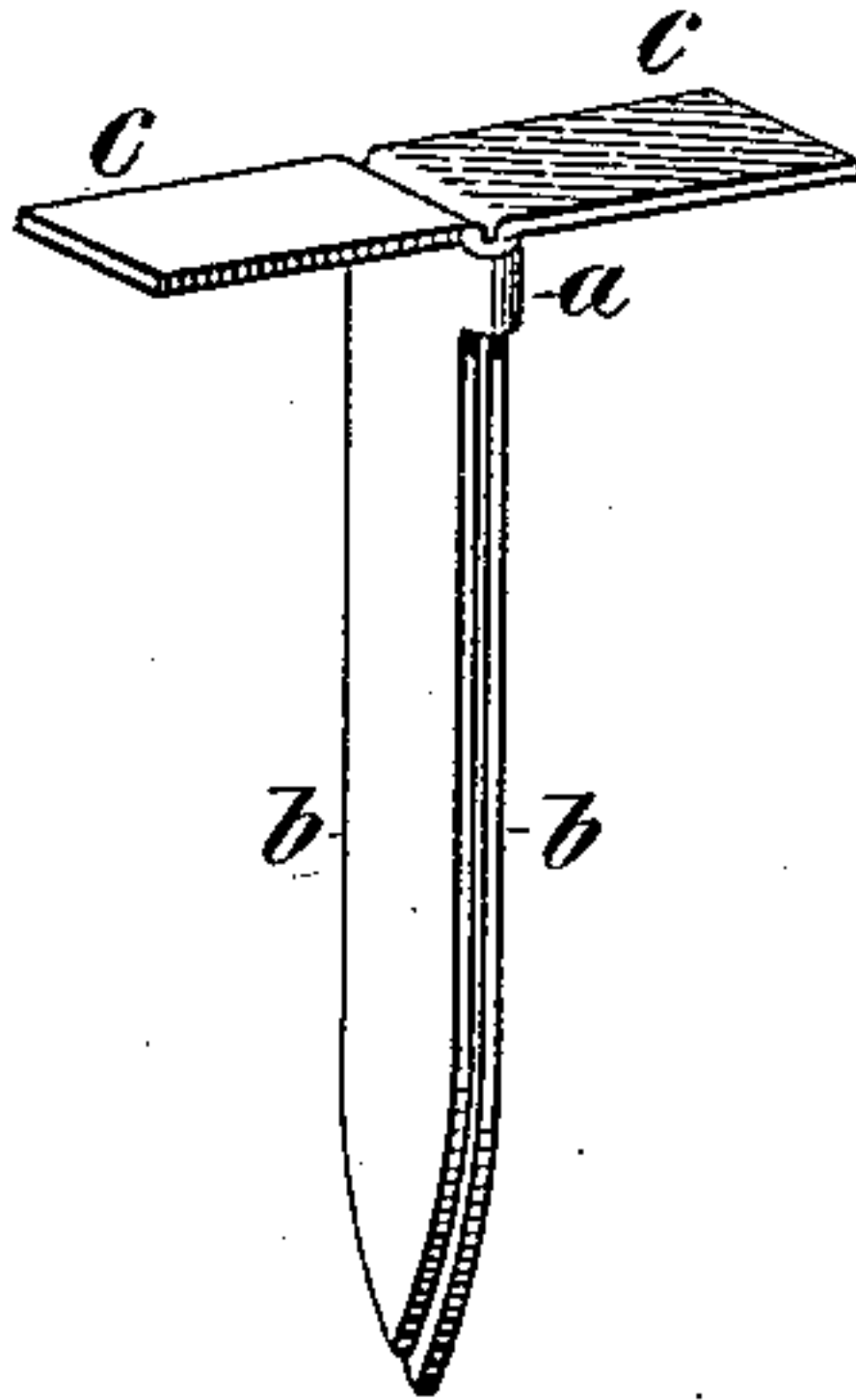


Fig. 3.

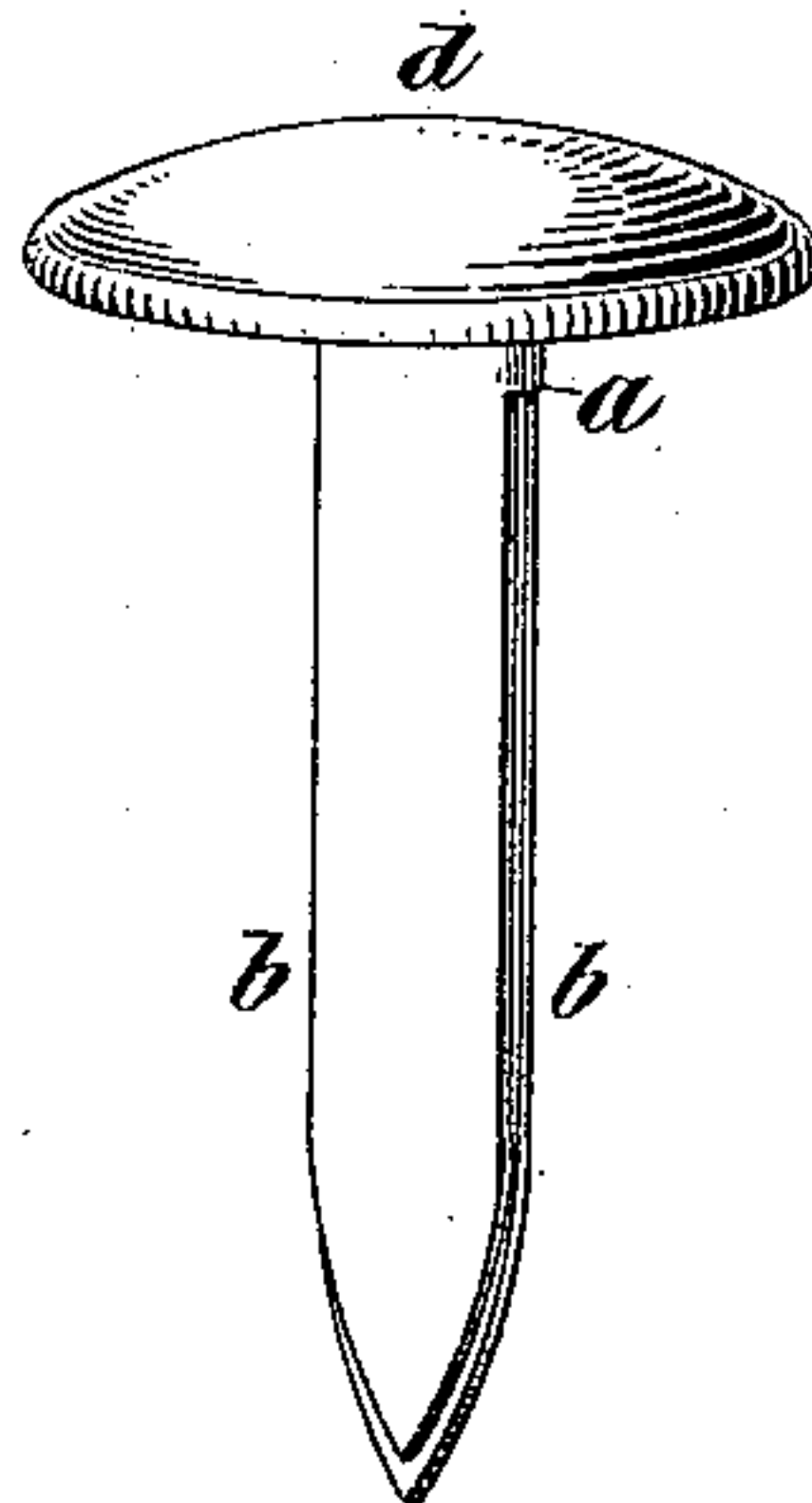


Fig. 4.

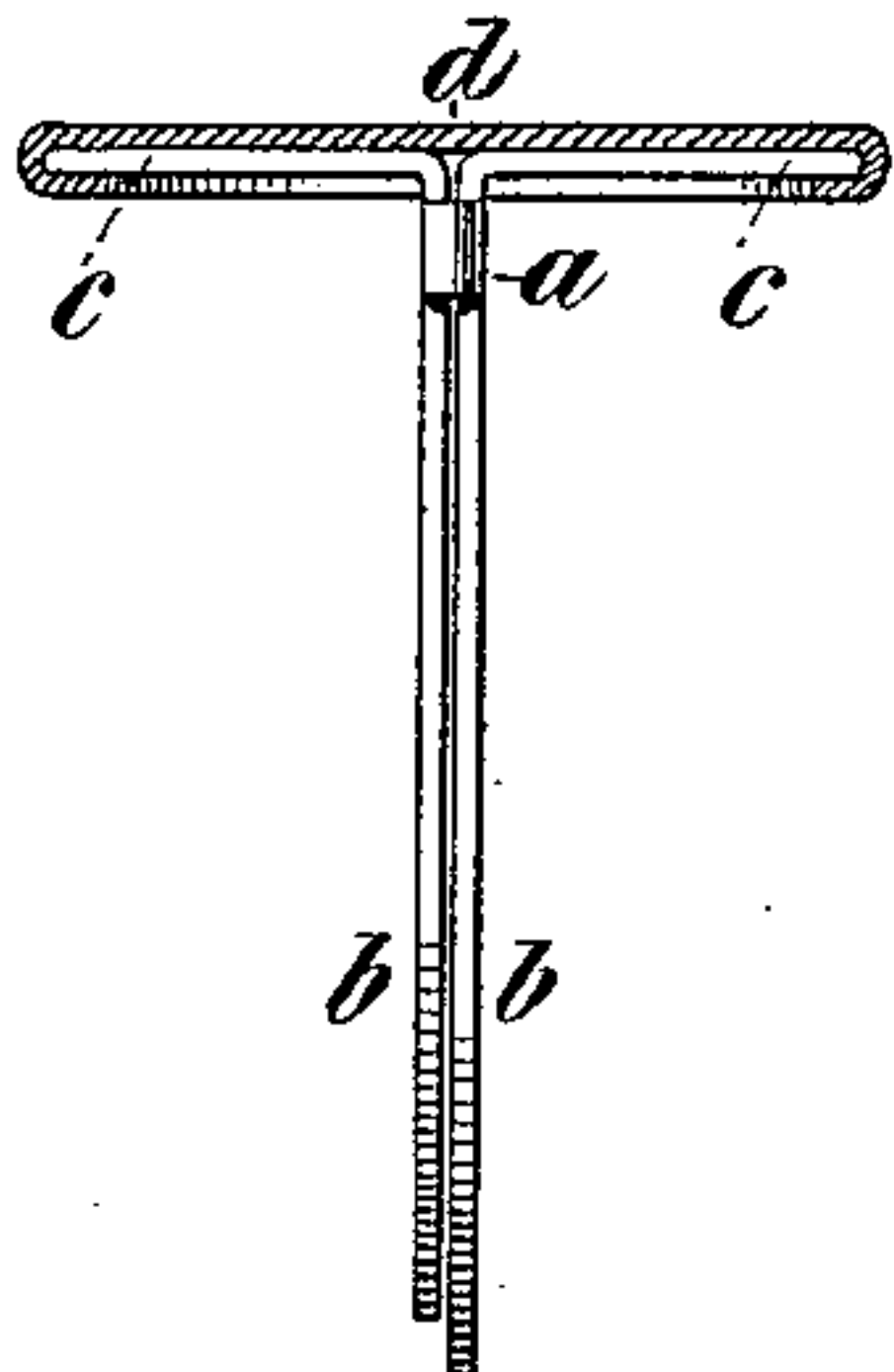


Fig. 5.

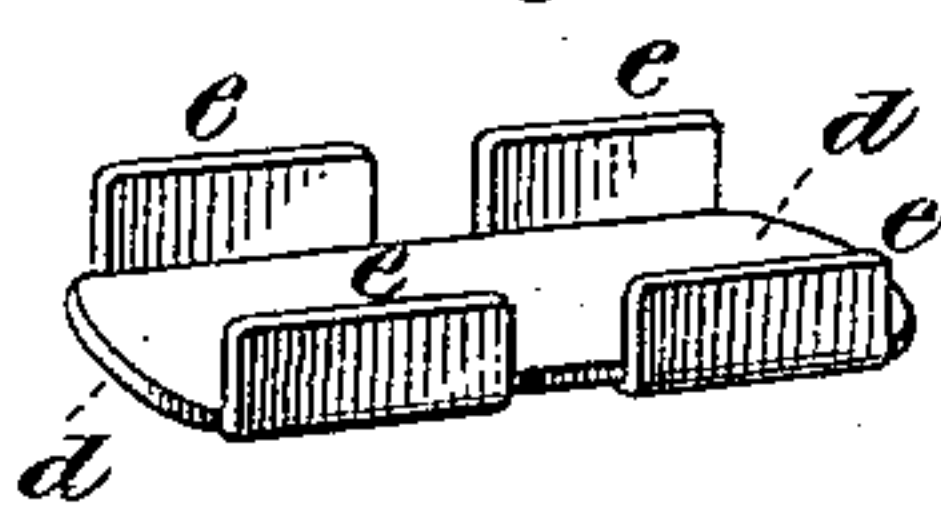


Fig. 6.

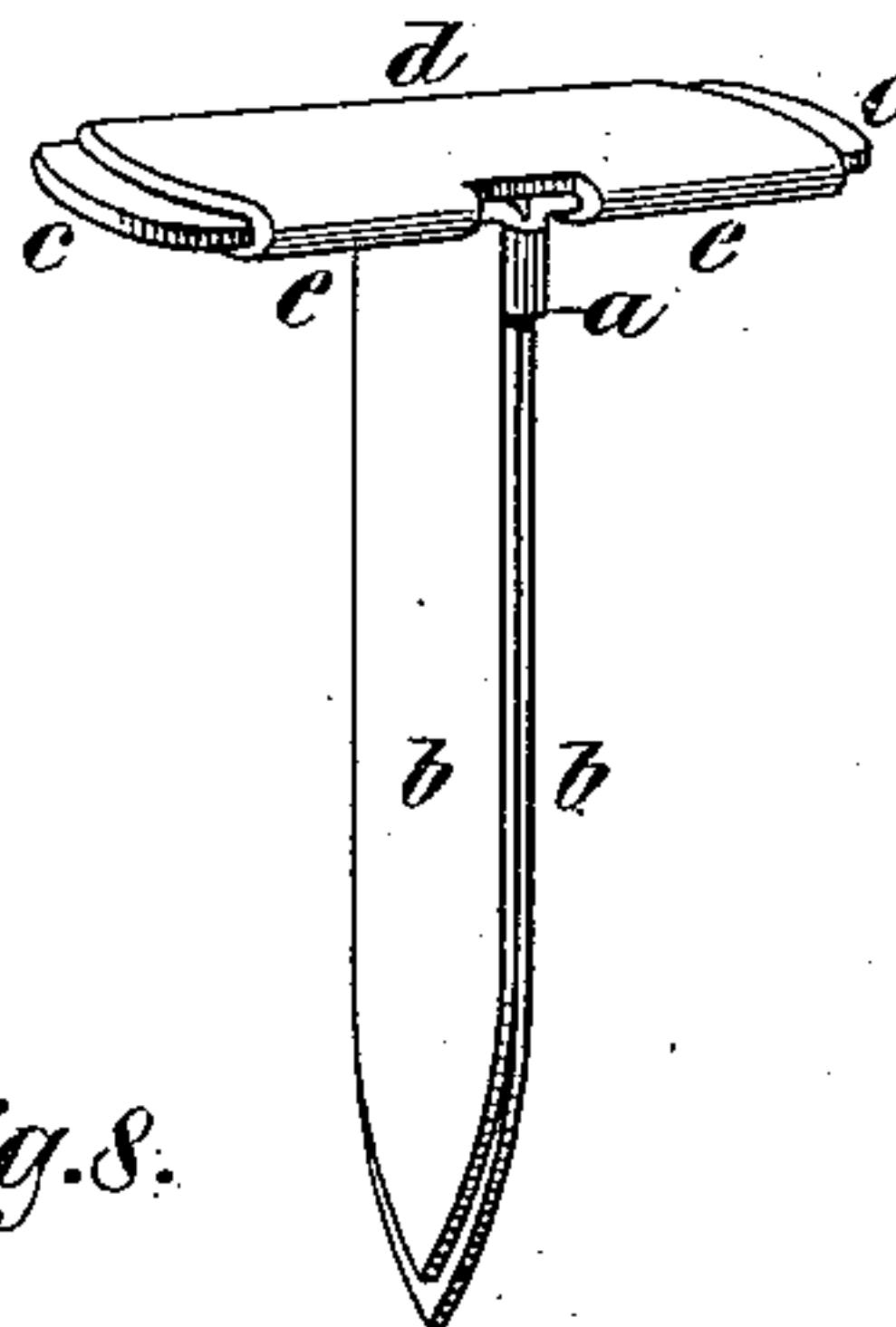


Fig. 7.

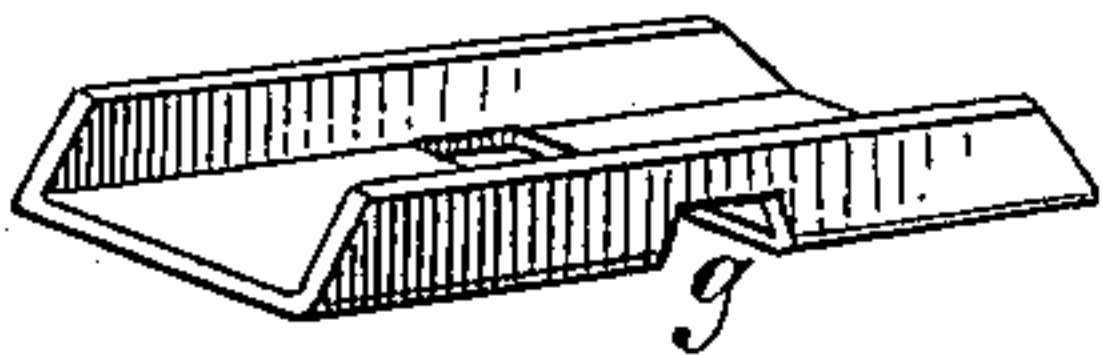
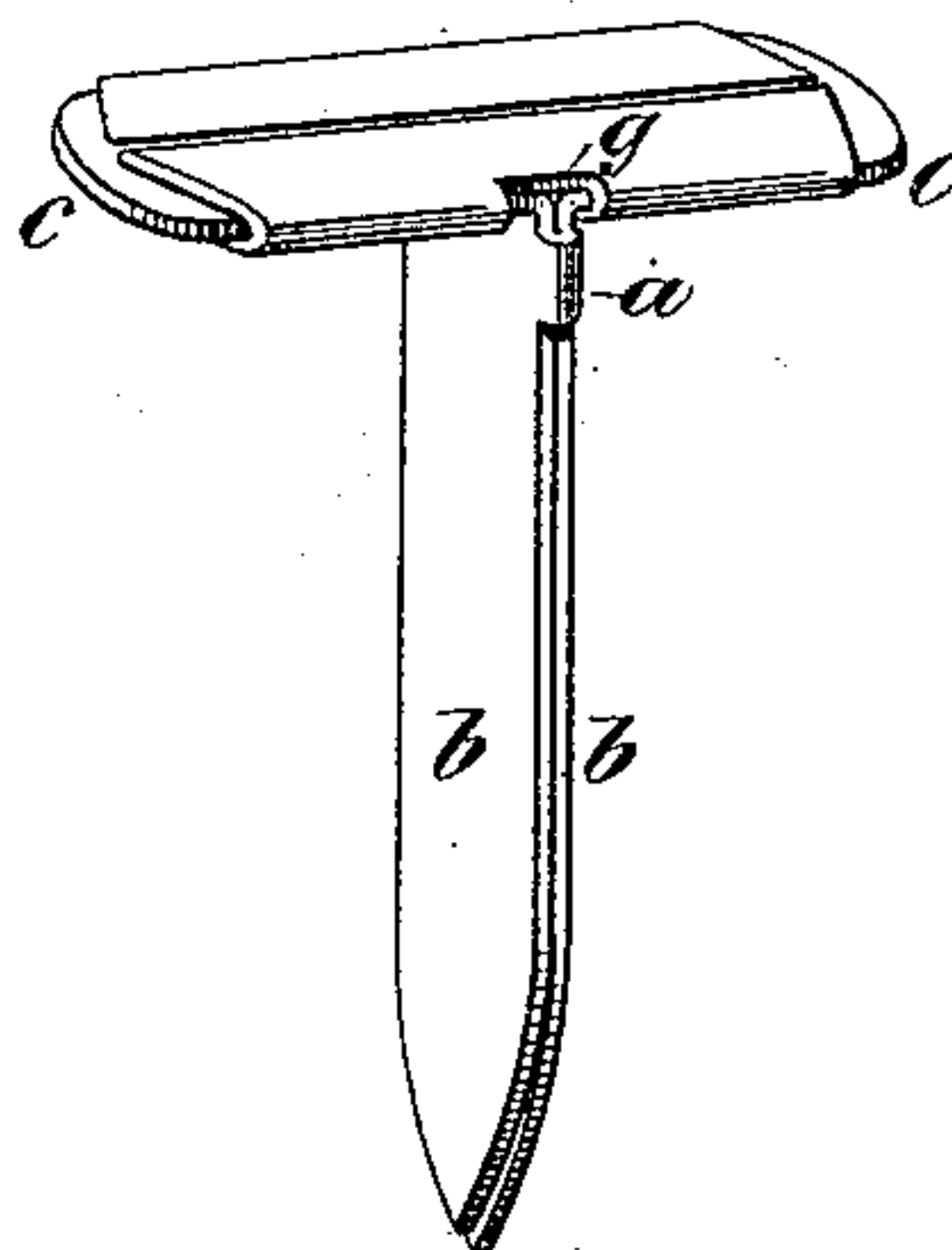


Fig. 8.



WITNESSES
Gustave Dietrich
Fred Huetwohl

INVENTOR

G. W. McGill

UNITED STATES PATENT OFFICE.

GEORGE W. MCGILL, OF RIVERDALE, NEW YORK.

METALLIC FASTENER.

SPECIFICATION forming part of Letters Patent No. 337,182, dated March 2, 1886.

Application filed September 26, 1885. Serial No. 178,250. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. MCGILL, of Riverdale, in the city and county of New York, in the State of New York, have made
5 certain new and useful Improvements in Metallic Fasteners, of which the following is a full and exact description or specification, reference being had to the accompanying drawings, making part of same, in which—

10 Figure 1 represents the metal blank from which the fastener proper is formed. Fig. 2 shows the blank folded in manner to form the fastener proper; and Fig. 3 represents the blank so folded, having a metal cap closed
15 upon the top or folded-over arms of the fastener to lock them in position. Fig. 4 is a vertical section of Fig. 3. Figs. 5 and 7 represent the metal cap made in trough-like form, and Figs. 6 and 8 respectively represent
20 fasteners with their tops secured in caps or covers so formed.

Similar letters of reference indicate corresponding parts.

25 The fastener-blank, Fig. 1, is cut from suitable sheet metal, preferably sheet-brass split vertically from both ends in manner to form a connecting-neck, *a*, from which two shanks, *b b*, project in one direction, and two arms, *c c*,
30 are preferably pointed at their ends, and one shank is made slightly longer than the other.

The ends of the arms *c c* may be rounded off, as shown in the drawings. The separation or division of the shanks and arms may
35 be accomplished by slitting the fastener-blank or punching out a section of the metal, as shown in the drawings. The blank so formed is folded, as shown in Fig. 2 of the drawings—that is to say, the shanks *b b* are brought,
40 back to back, in close parallel contact, and the arms *c c* are bent over in opposite directions at right angles from the shanks, the neck *a* holding the parts in this position, which position or form is permanently se-
45 cured by closing a metal cap, *d*, upon the bent-over arms *c c*, as shown in Figs. 3 and 4. This locking-cap may be of the form shown in Fig. 5, which consists of a piece of metal about as long as the spread of the arms or
50 head of the fastener and nearly similar in width, and provided with lugs *e e*, bent over

in the same direction at right angles from the body of the cap. The cap so made is placed on the top of the spread arms *c c* or head of the fastener, and the lugs *e e* turned in under
55 said arms, as shown in Fig. 6; or the cap may be made in the trough form shown in Fig. 7 and provided with an opening, *g*, crosswise its center.

In using a cap or cover so fashioned the
60 fastener-shanks are passed down through the opening *g*, the arms *c c* occupying the trough of the cover, and the sides of the cover are folded over the arms and pressed down on the top of the same, as shown in Fig. 8, to give
65 the device rigidity and strength. The opening or hole *g* is made to partly enter into one of the sides of the cover, to admit passing the same up over the neck *a*, as shown in the
70 drawings.

The fastener is operated by forcing its
double shank *b b* through the articles to be bound or fastened until the under side of its covered head rests on one side of the same,
75 and then separating the blades of the shank on the other side of the material and bending them down flat in opposite directions on the same, so as to bind the material between them and the fastener-head.

One of the shanks of the fastener is made
80 longer than the other, so that it will project beyond the shorter one when both shanks are folded in close parallel contact, as shown in the drawings, to admit of the ready separation of the shanks in applying the fastener, as de-
85 scribed.

The connecting-neck *a* holds the parts of the fastener together, thereby facilitating the capping or covering of the same. It also binds or locks together the tops or fold of the
90 fastener-shanks and prevents their parting at that point while the shanks proper are being separated in applying the article to the uses intended.

I do not broadly claim a metallic fastener-
95 blank slitted longitudinally with a connecting-neck; but

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

1. A metal fastener-blank split centrally
100 through its length from both ends in manner to form a connecting-neck, *a*, having two shanks,

bb, of different lengths, projecting in one direction, and two arms, *cc*, in the opposite direction, substantially as set forth.

2. As an improved article of manufacture,
5 a metallic fastener consisting of a metal fastener-blank split centrally through part of its length from both ends, one of the split ends forming the two shanks *bb*, of different lengths,
and the other end the arms *cc*, the shanks *bb*
10 being folded, back to back, in close parallel contact, and the arms *cc*, folded over in oppo-

site directions at right angles from the shanks *bb*, and permanently secured in such position by a metal cap, substantially as described.

3. A metallic fastener having the shanks *bb*, 15
arms *cc*, bent in opposite directions from said shanks, and a trough-shaped cap, *d*, secured to said arms, substantially as described.

GEORGE W. MCGILL.

Witnesses:

H. C. ADAMS,

W. H. GREENLAND.