

(No Model.)

H. L. JONES.

IRON FENCE.

No. 281,077.

Patented July 10, 1883.

Fig. 1.

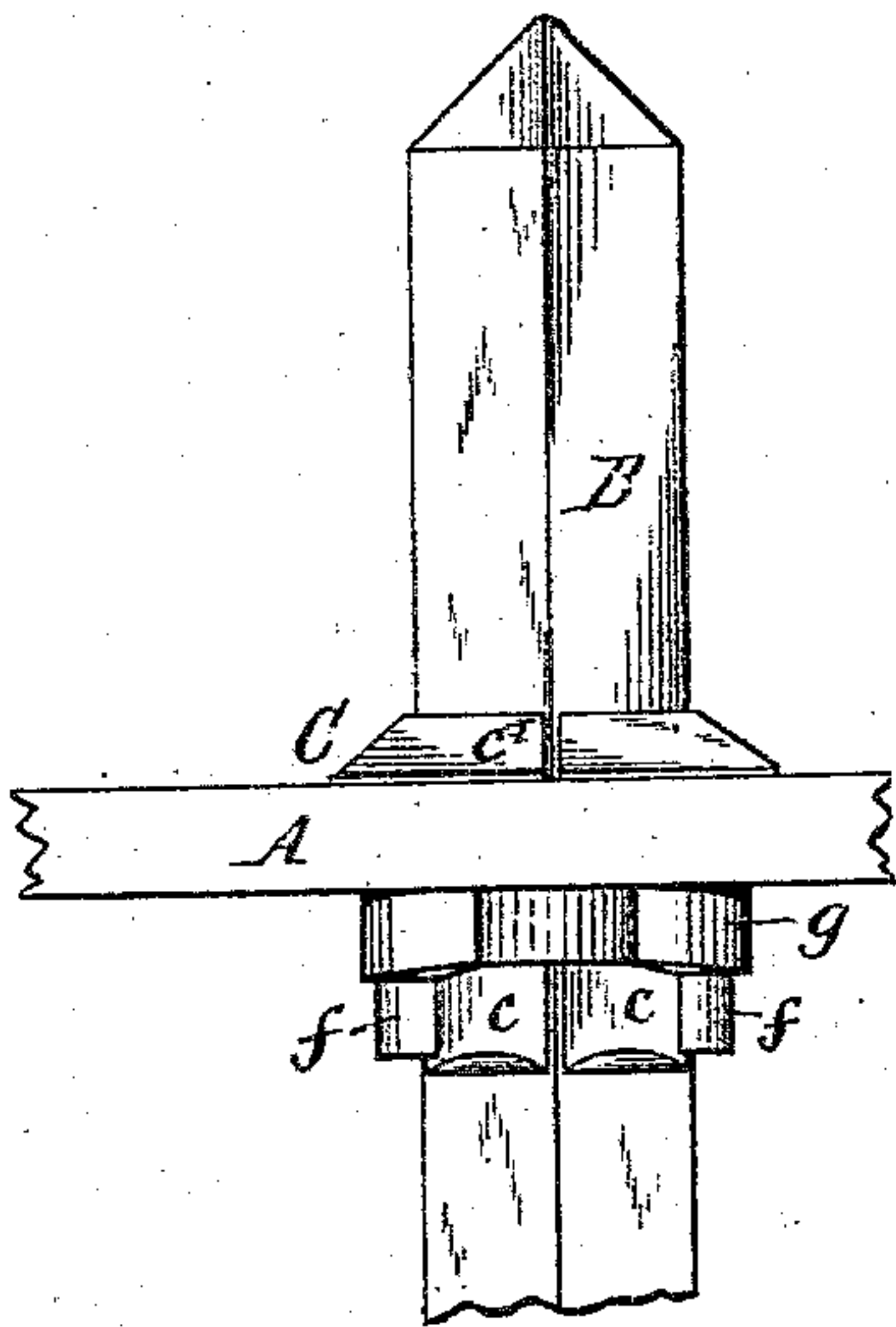


Fig. 2.

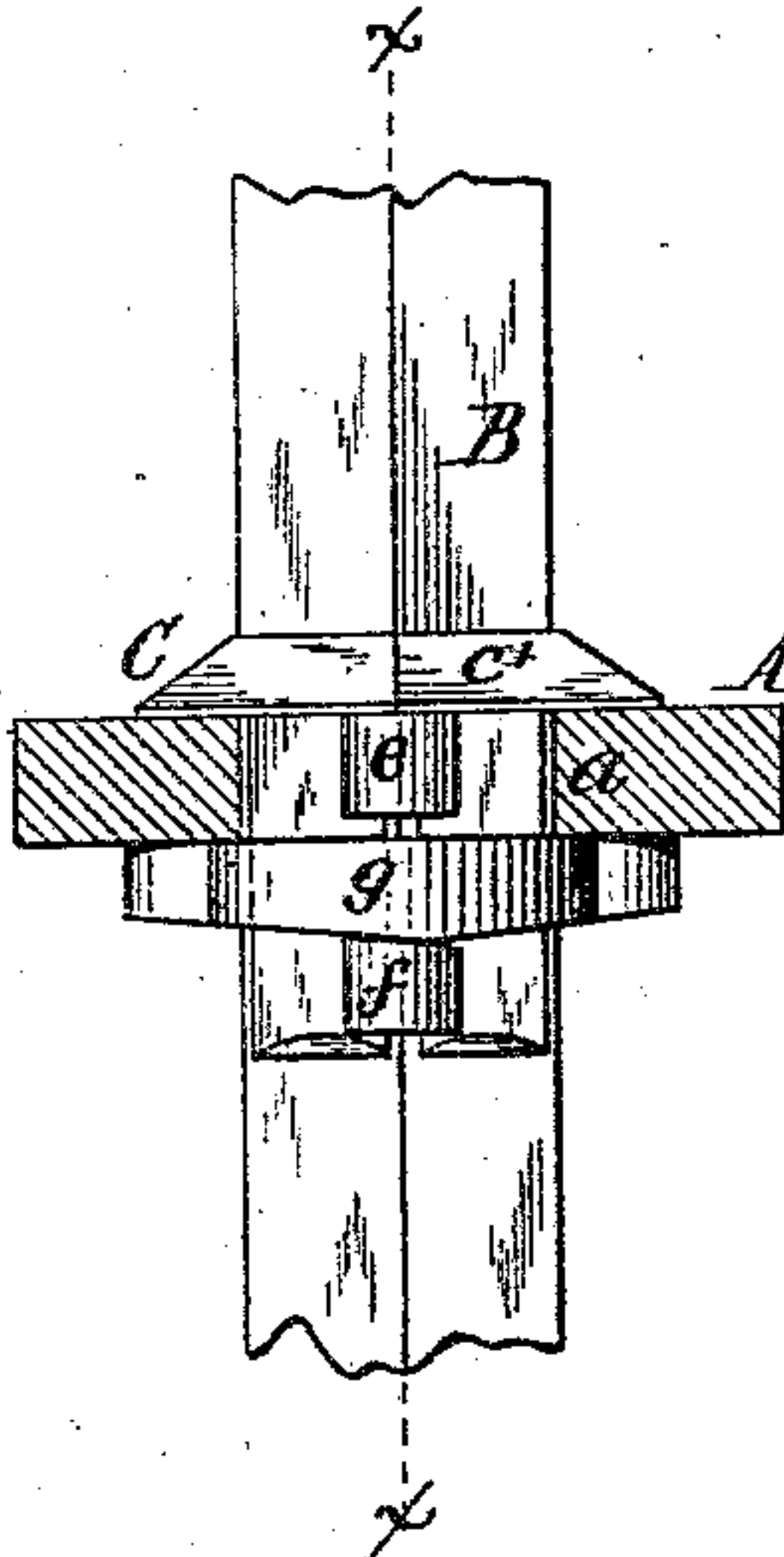


Fig. 3.

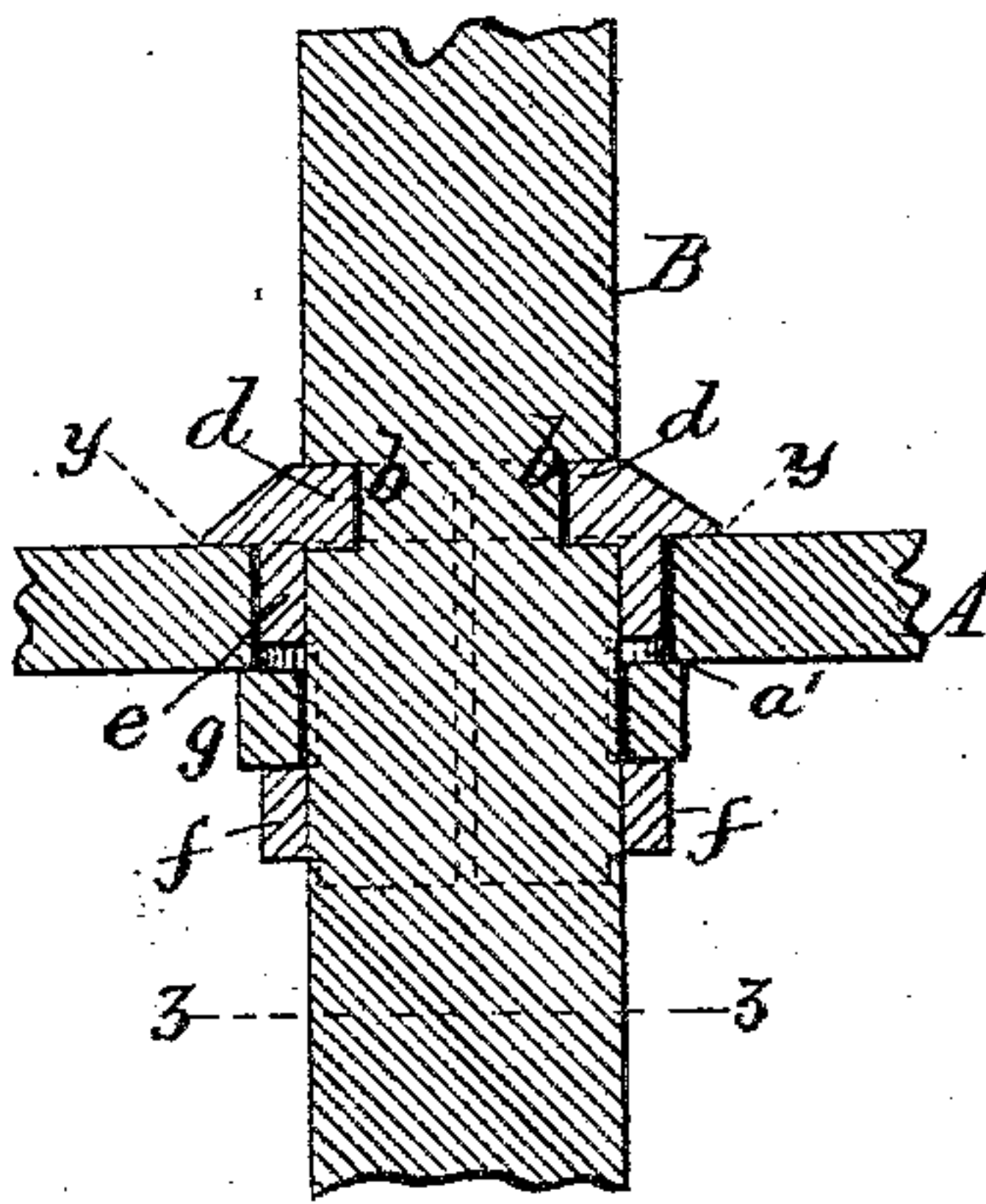


Fig. 4.

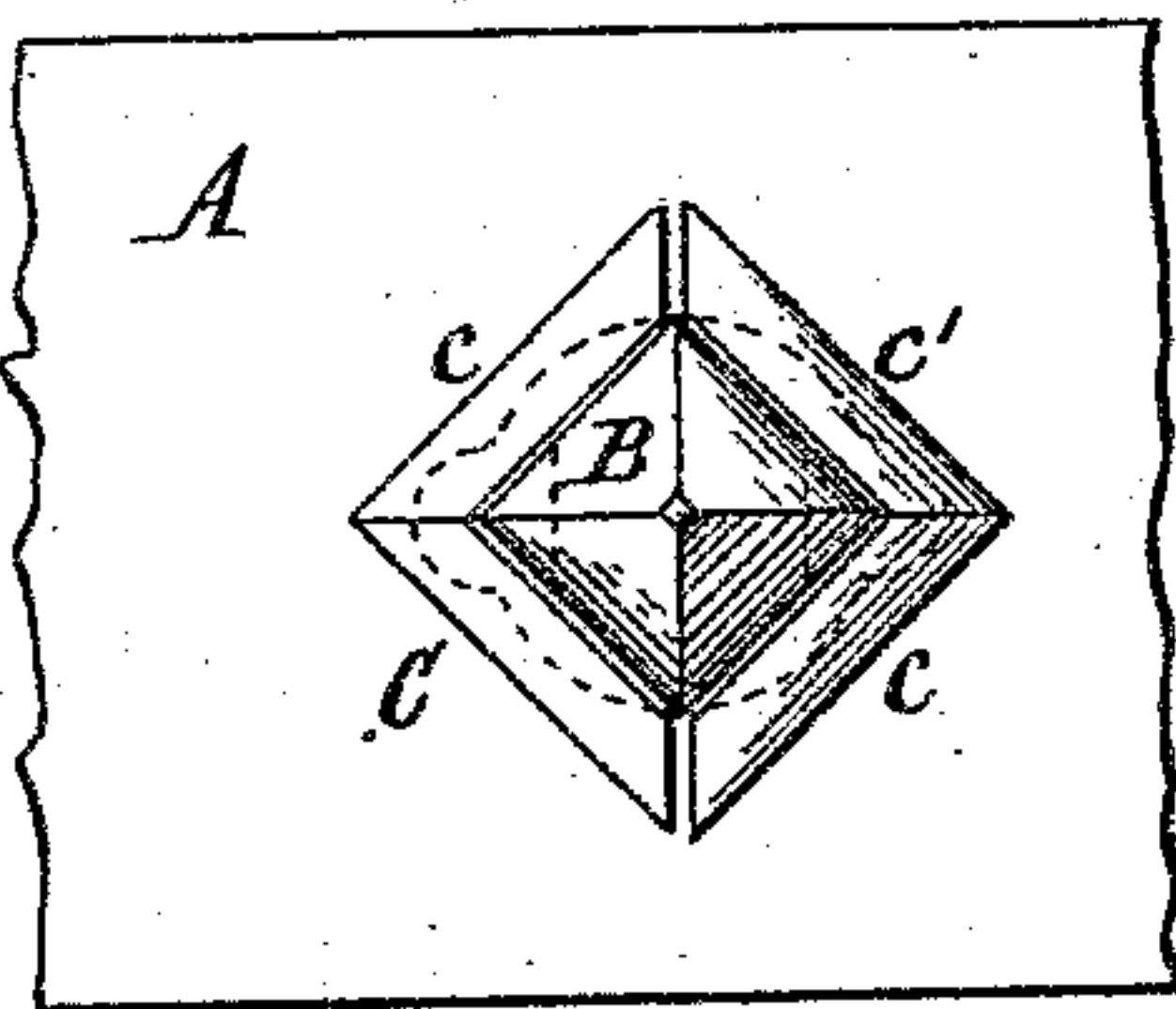


Fig. 5.

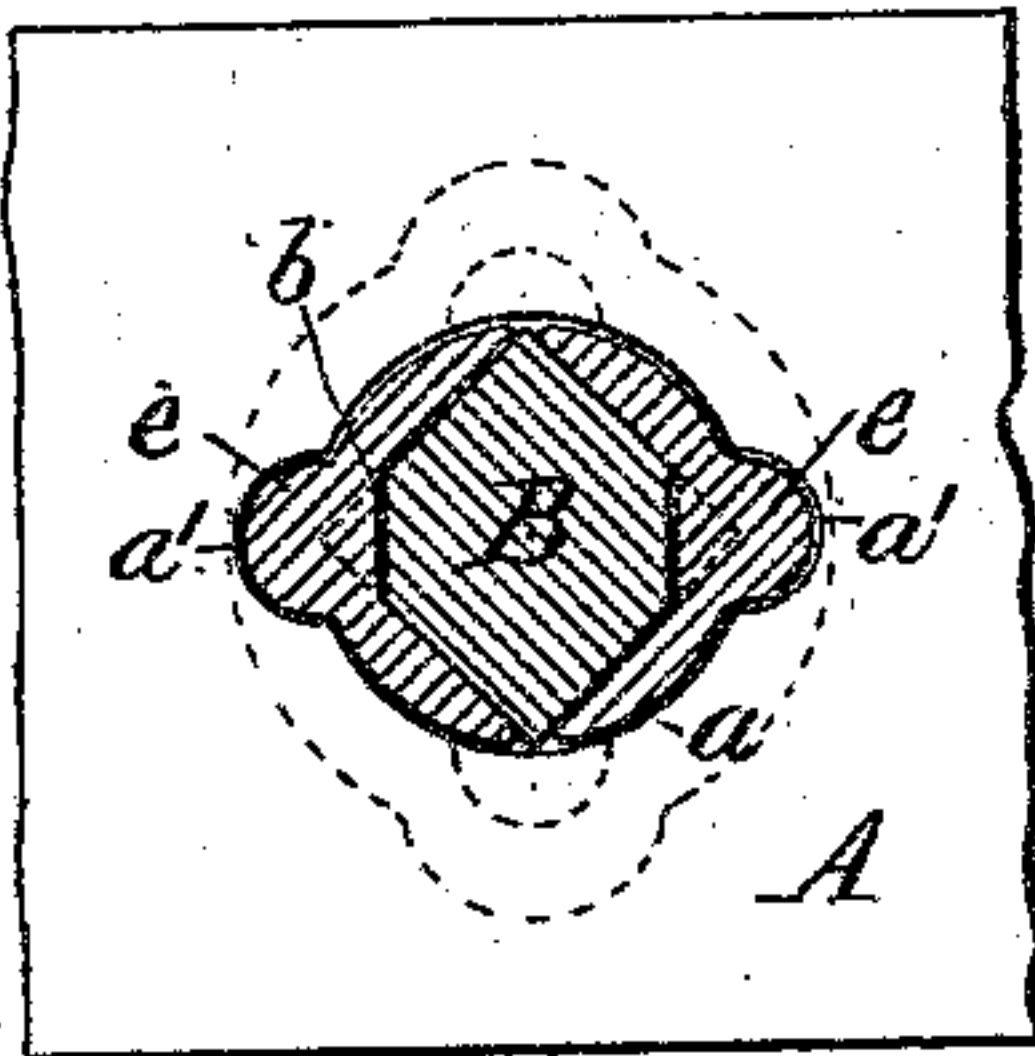


Fig. 6.

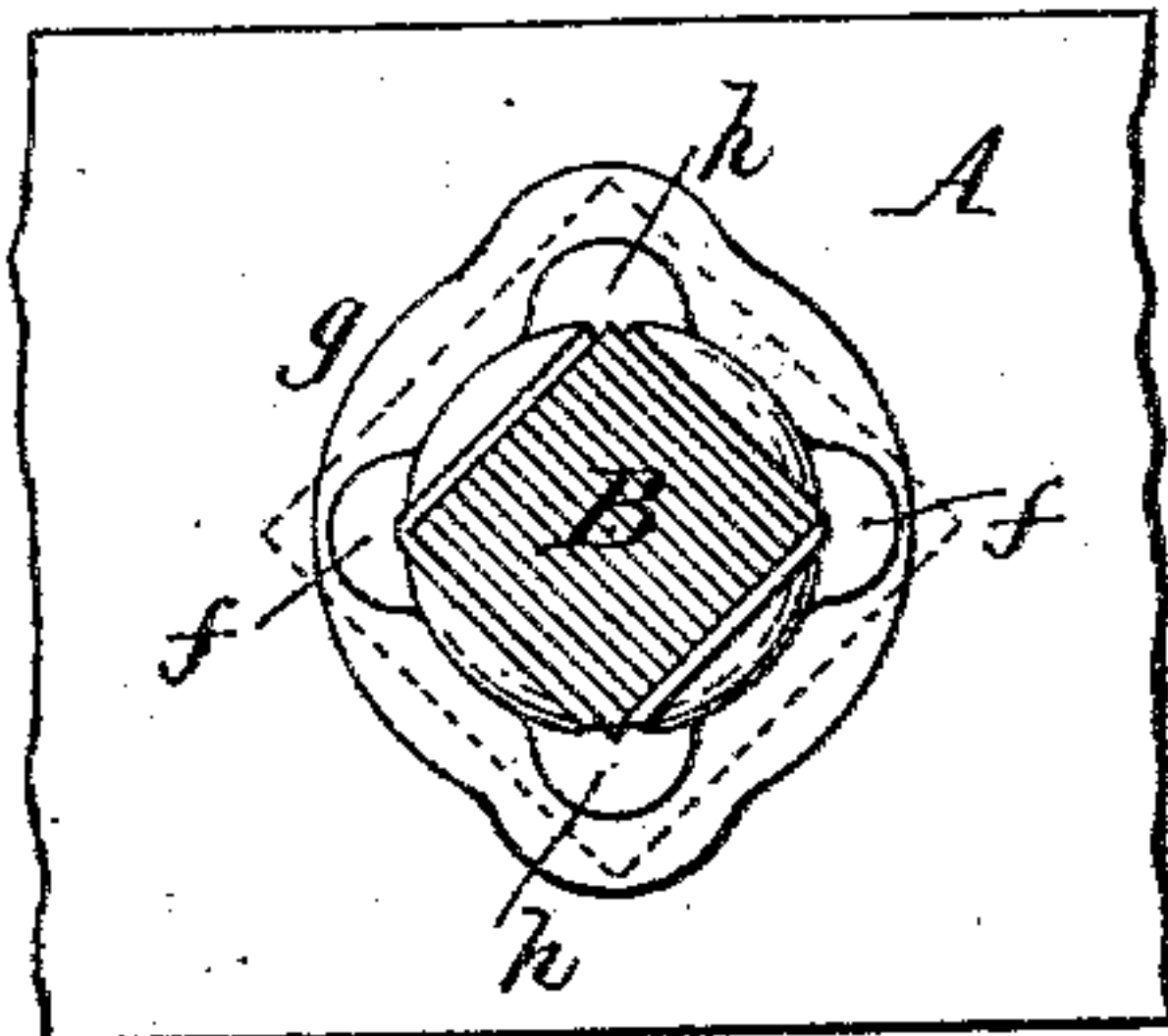


Fig. 7.

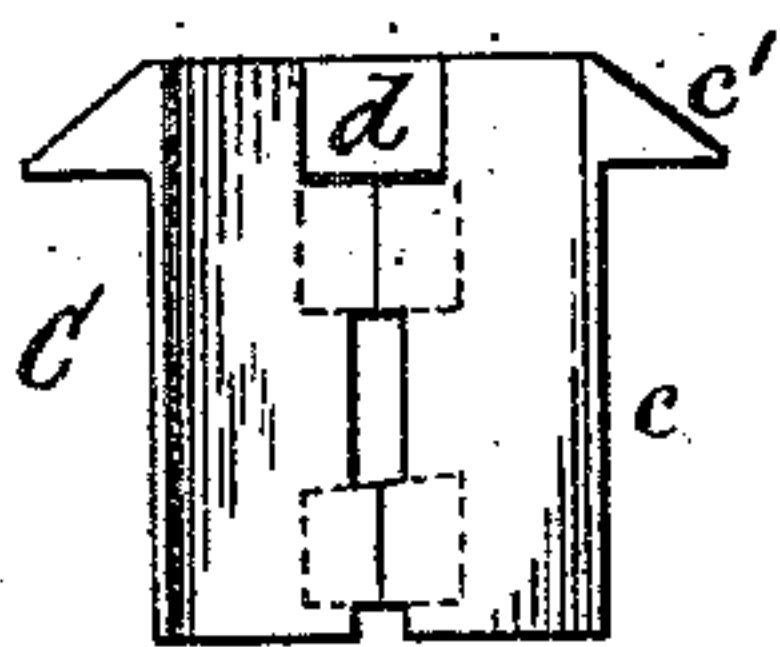
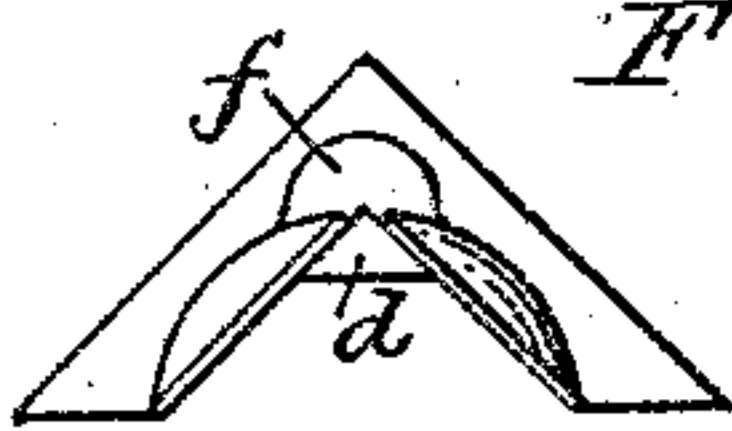


Fig. 8.



Fig. 9.



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Witnesses.

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IRON FENCE.

SPECIFICATION forming part of Letters Patent No. 281,077, dated July 10, 1883.

Application filed March 2, 1883. (No model.)

To all whom it may concern:

Be it known that I, HENRY L. JONES, of the city of Buffalo, in the county of Erie and State of New York, have invented new and useful
5 Improvements in Iron Fences, of which the following is a specification:

This invention relates to that class of iron fences which are composed of vertical pickets secured to longitudinal iron rails or stringers.

10 The object of my invention is to provide a simple locking device, whereby these parts are secured together; and it consists in the particular construction of the device which will be hereinafter described, and pointed out
15 in the claims.

In the accompanying drawings, Figure 1 is a side elevation of the upper portion of an iron fence provided with my improvement. Fig. 2 is a similar view at right angles to Fig. 1, with the rail in section. Fig. 3 is a vertical
20 section in line *x x*, Fig. 2. Fig. 4 is a top plan view. Figs. 5 and 6 are cross-sections in lines *y y* and *z z*, Fig. 3, respectively. Fig. 7 is an inside view of one part of the locking-sleeve.
25 Fig. 8 is a side elevation, and Fig. 9 a bottom plan view thereof.

Like letters of reference refer to like parts in the several figures.

A represents one of the longitudinal rails or
30 stringers composed of flat strips or bars of iron, and B the pickets, which pass through openings *a*, formed in the rails A. The openings *a* are preferably made round, and provided with enlargements or recesses *a'* on op-
35 posite sides of the pickets. The pickets B are constructed of iron bars, preferably square or rectangular in cross-section, and are provided with notches *b* on opposite sides above the rail A, as shown in Fig. 3.

40 C is a metallic sleeve or clasp, which is interposed in the opening *a* between the picket and the rail A, and provided with a flange or rim, *c'*, which rests on the top of the rail. The sleeve C is divided vertically into two parts
45 or sections, *c c*, which are made of the proper form in cross-section to fill the space in the opening *a* between the picket and rail, each section *c* resting against two adjacent sides of the picket. The inner V-shaped faces of the
50 sections *c* are provided with shoulders *d*, which are arranged in the angles of the V-shaped faces, and project into the notches *b* in the picket.

e e are lugs or ears formed on the outer convex sides of the sleeve C below the rim *c'*, and
55 projecting into the recesses *a'* in the rail. The lugs *e* prevent the sleeve C and the picket secured thereto by the shoulders *d* and notches *b* from turning in the rail. *f f* are two similar
60 lugs formed at the lower end of the sleeve below the lugs *e e*, sufficient space being left between the lugs *e e* and *f f* to receive a locking-washer, *g*. The lugs *f* are inclined on their
65 upper sides, and they are of the proper form to pass freely through the recesses *a'* when the sleeve is applied to the picket. The washer *g* is provided with an opening having enlarge-
70 ments *h h*, which enables the washer to be passed upwardly over the lower portion of the sleeve C and the lower lugs, *f*, thereof. The washer is inclined in two directions on its under side, it being thinnest at the enlarge-
75 ments *h h*, and thickest midway between said enlargements. When the washer *g* has been placed in position on the sleeve, with the enlargements *h h* immediately below the lugs *f f*, the washer is moved upward until its lower edge
80 has passed the lugs *f*, when by turning the washer in the proper direction its inclined lower sides will wedge against the inclined upper sides of the lugs *f* and draw the sleeve C
downwardly until the parts are firmly locked together.

The sleeve C and washer *g* can be readily cast of malleable iron, and they form a cheap
85 and durable locking device.

I claim as my invention—

1. The combination, with the rail A and notched picket B, of the divided sleeve C, provided on its inner side with shoulders *d*, and
90 on its outer side with lugs *e e* and *f f*, substantially as set forth.

2. The combination, with the rail A and notched picket B, of the sleeve C, provided with shoulders *d*, and lugs *e e* and *f f*, and a
95 locking-washer, *g*, substantially as set forth.

3. The combination, with the rail A and picket B, of a sleeve, C, provided with lugs *f f*, inclined on their upper sides, and a washer, *g*, having an inclined lower face, substantially as
100 set forth.

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Witnesses:

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