No. 644,481. Patented Feb. 27, 1900.

W. C. WALTON.

CORNER FASTENING.

(Application filed Dec. 4, 1899.)

(No Model.)

Fig. 1.

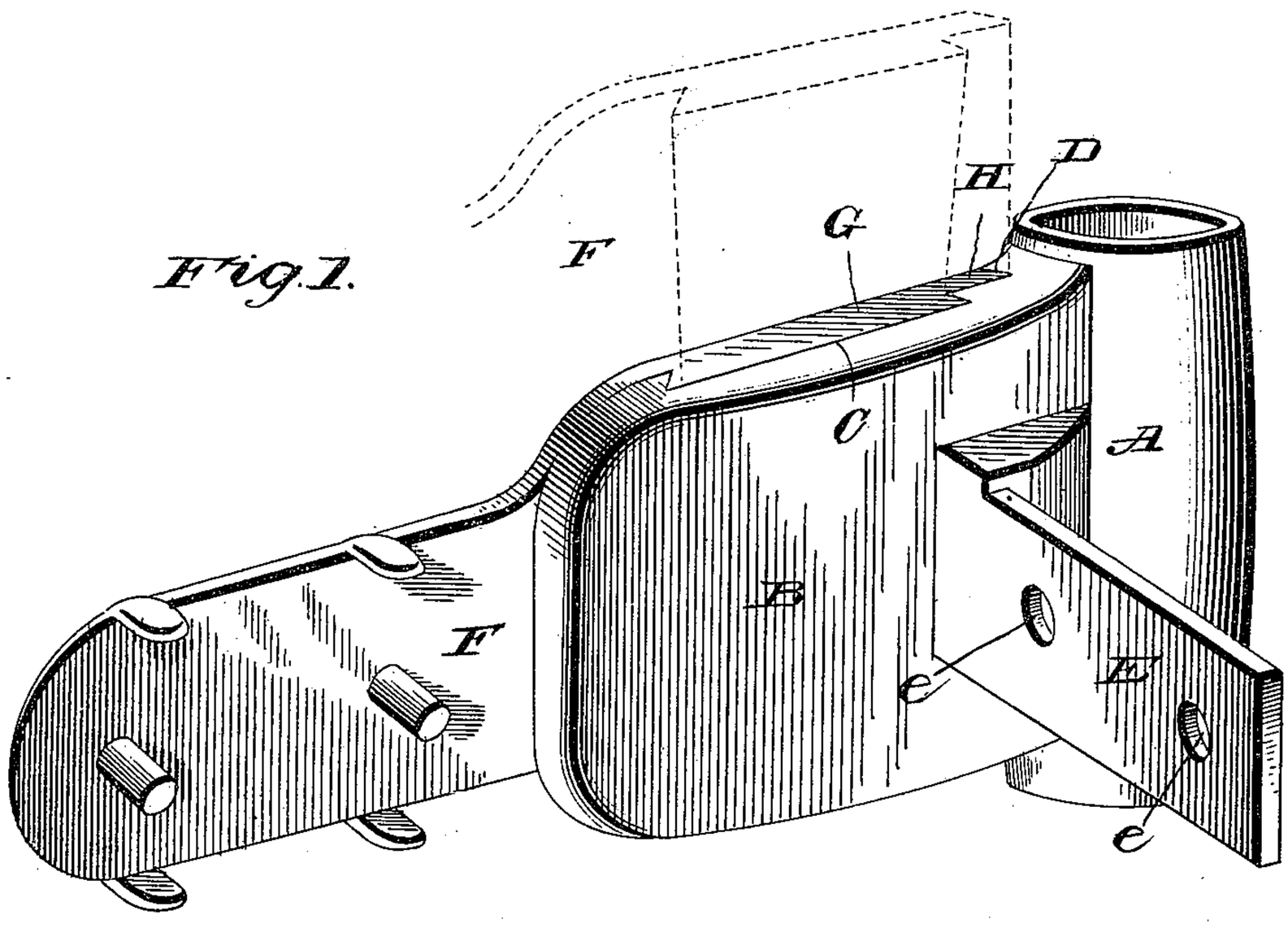
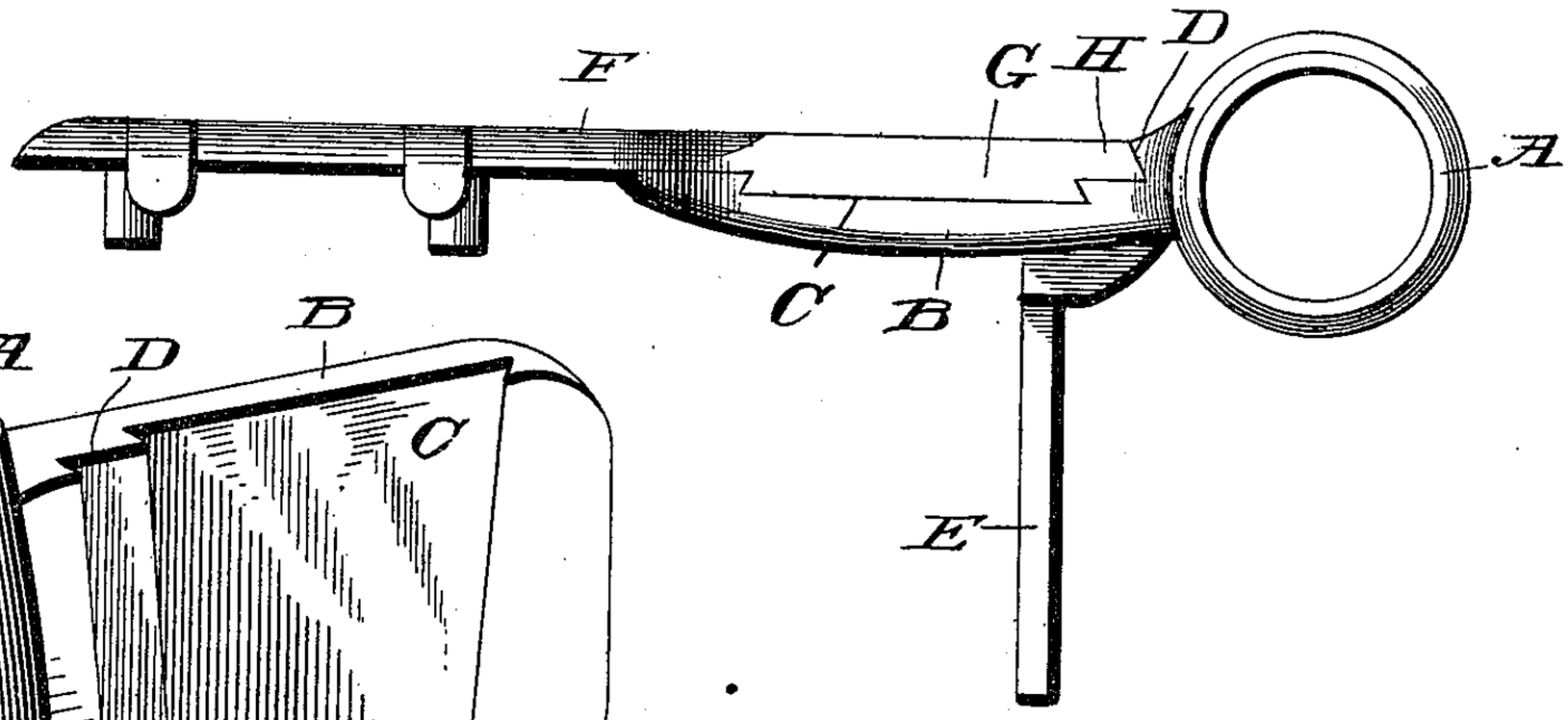


Fig. 2.



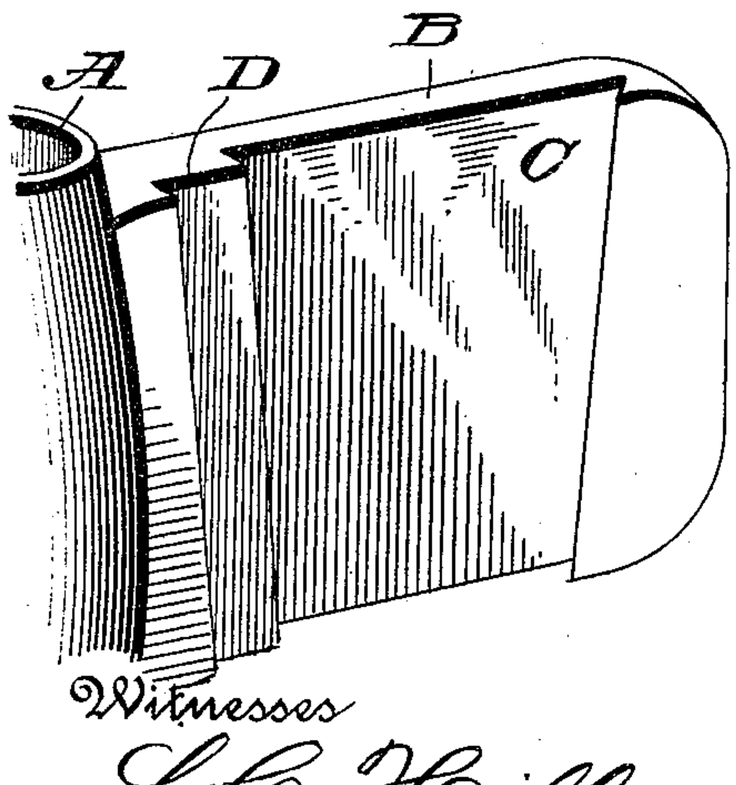


Fig. 3.

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CORNER-FASTENING.

SPECIFICATION forming part of Letters Patent No. 644,481, dated February 27, 1900.

Application filed December 4, 1899. Serial No. 739,166. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. WALTON, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Corner-Fastenings; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in corner-fastenings for furniture, more particularly for bedsteads; and it pertains more particularly to that class of such devices in which is provided a boss to engage over the bed-post and having a portion adapted for coöperation with a plate or casting upon the side rail of the bed.

The present invention has for its objects, among others, to provide an improved corner-fastening of this character which shall possess greater strength and which shall serve to so hold the parts as to prevent movement either vertically or laterally. I provide a double lock—a keystone-lock and an additional lock to one side thereof. The coöperating parts of these two locks are upon the plate of the boss and upon the plate or casting that is designed to be attached to the side rail of the bed. The side rails are securely held in position by the lock without any tendency to break either the plate on the boss or the engaging portion of the plate on the side rail. The parts of the bed can be united with ease and as readily separated.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view of my improved corner-fastening with the side-rail plate or casting shown partly raised in dotted lines. Fig. 2 is a plan view thereof. Fig. 3 is a perspective view of the female portion of the lock.

Like letters of reference indicate like parts throughout the several views.

While herein referred to as applicable to bedsteads, it will be evident that my improved corner-fastening is applicable to other uses, and I therefore do not intend to restrict myself to its use in connection with any particular article of furniture.

Referring now to the details of the drawings by letter, A designates a boss, which may be of any required dimensions, according to the part with which it is to be employed, and made as ornamental as may be desired. Projecting from this boss and disposed lengthwise thereof is the plate B, which, as shown in Figs. 1 and 2, is swelled to compensate for the recess therein, although this is not at all times necessary, and the plate may be formed without such swell, as seen in Fig. 3. When present, it adds strength at the place where most required. Upon the opposite face of this plate is formed a tapered dovetailed socket or recess C, the side walls of which are undercut, as shown in all the views, and also tapered, as seen clearly in Fig. 3; but this is not all. Adjacent to the boss, beyond this socket or recess, I form a second undercut recess or socket D, which is formed in the thickened portion of the metal between the socket C and the adjacent wall of the boss. As will be observed, this recess or socket D is out of the plane of the socket C, so as to form, in connection with the plate on the side rail of the bed, a separate lock, as will soon be made apparent.

Projecting from the inner face of the plate B and also from the boss is the lug E, shown as provided with the openings *e* for the reception of the means employed for securing the same to an end rail.

F is a plate or casting provided with suitable means for securing it to the side rail of a bed. This means may be that shown or any other that may be suited to the purpose. Such means forms no part of my present invention, and neither do the rails of the bed, and hence the latter have not been illustrated. This plate is formed upon its inner face—that is, the face designed to lie next to the plate B—with a tapered locking portion G, the

sides of which are undercut, as shown, and which is designed to fit the socket C in the plate B. This plate or casting F is further provided with the portion H, extending beyond the keystone-lock portion G, as seen clearly in Figs. 1 and 2, and this portion has its outer vertical edge beveled or tapered, as seen in said Figs. 1 and 2, to engage beneath the undercut wall of the socket D in the plate B.

The mode of applying the fastening and its advantages will be readily understood from the foregoing description when taken in connection with the annexed drawings. The interengaging portions C and G form a keystone-lock which locks the side rail in position, while the interengaging portions D and H form an additional lock that serves to keep the parts from movement in all directions, and thus there is lack of tendency to have play one upon another, the bed can be moved more easily, and all danger of breakage by weight upon the mattress or in moving the bedstead from place to place is obviated. The two sockets and their locking portions in different vertical planes I consider a very essential feature of my invention, as the same prevent all rocking movements and strengthen the fastening both vertically and horizontally.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What I claim is—

1. A corner-fastening comprising a plate with a wedge-shaped portion with undercut walls, and a beveled side-locking portion, and a coöperating part with correspondingly-shaped sockets to receive the same, as set forth.

2. A corner-fastening comprising a boss with a lateral portion having a wedge-shaped socket and a socket with undercut wall in a different plane, and a plate with a tapered projection and a side portion in different planes to engage the sockets of said lateral portion, as set forth.

3. A corner-fastening comprising a boss with a lateral portion with undercut walls in two different vertical planes, and a plate with a projection having undercut walls and an extension in a different plane with beveled end wall and interengaging with the undercut walls of the lateral portion and forming a double lock in different vertical planes lying parallel with the side of the lateral portion and the face of the plate, substantially as shown and described.

4. The improved corner-fastening described comprising in combination, the boss with lateral portion with sockets in different vertical planes and a lug with openings, and the side-rail plate having portions in different planes with undercut walls to engage in said sockets, substantially as and for the purposes specified.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM C. WALTON.

Witnesses:
SAML. F. HASSLER,
E. B. HARTMAN.