(No Model.)

H. S. HALL.

FURNITURE LEG FASTENING.

No. 270,661. Patented Jan. 16, 1883.

Fig. 1.

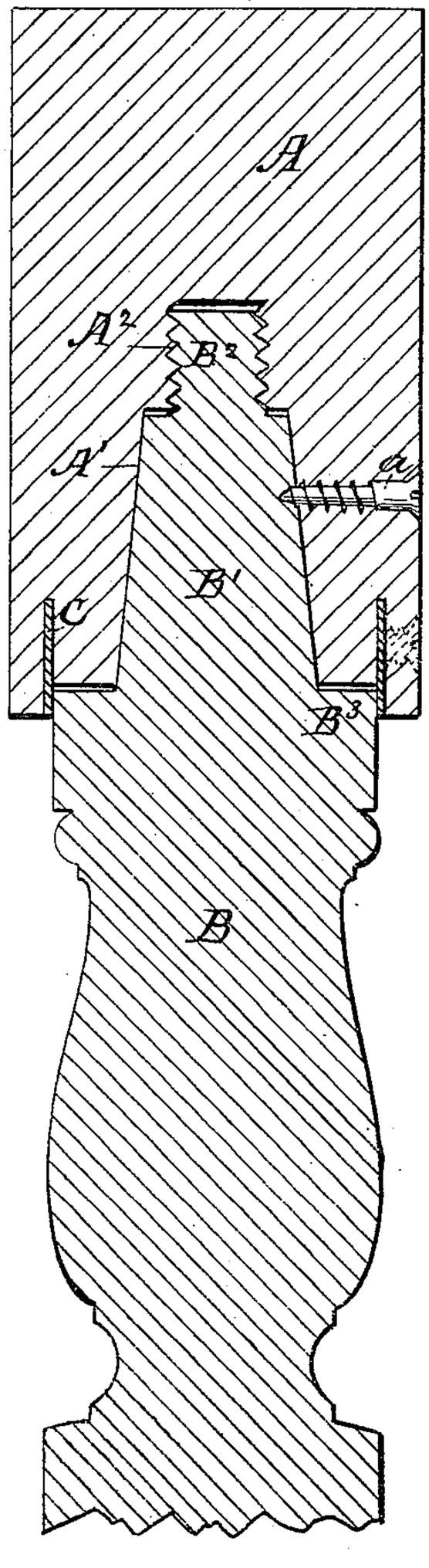
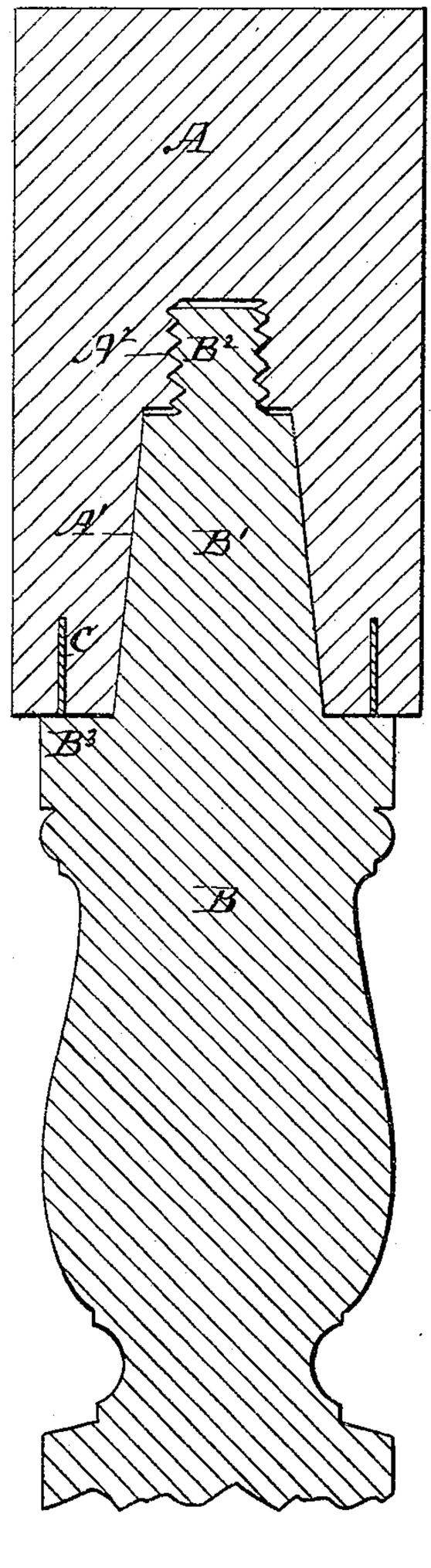


Fig. 2



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UNITED STATES PATENT OFFICE.

HIRAM S. HALL, OF JAMESTOWN, NEW YORK.

FURNITURE-LEG FASTENING.

SPECIFICATION forming part of Letters Patent No. 270,661, dated January 16, 1883.

Application filed October 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, HIRAM S. HALL, a citizen of the United States, residing at Jamestown, in the county of Chautauqua and State of New York, have invented a new and useful Fastening for the Legs of Furniture, of which the following is a specification.

My invention relates to improvements in fastenings for the legs of furniture intended to be shipped in the knockdown form; and the objects of my improvement are to provide a strong fastening for said legs, and to give to the parts of said fastening such a form that they can be united in an instant by persons unfamiliar with tools. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a vertical section of a table-leg and corner-block constructed according to my invention. Fig. 2 is a modification of the same.

Heretofore the legs of tables have been provided with a cylindrical tenon and a screw at their upper end to engage with the corner-posts of the frame; but having no conical tenon, much difficulty has been experienced to produce a perfect union of the parts, the cylindrical tenon generally fitting too tightly or too loosely within its mortise. Conical tenons have been used to unite the pieces forming a bedstead-frame; but in this case the conical form alone of the tenon has been relied upon to keep the parts together, and could not be depended upon if applied to the legs of a table that is to be often lifted and transported from one place to another.

My invention consists in the combination of parts hereinafter described, and specifically set forth in the claims.

In the drawings, the corner block or post of a table-frame is shown at A. A conical mortise, A′, is cut in its lower end of suitable size to receive a conical tenon, B′, formed upon the upper end of the leg B; but at the extremity of this tenon, and integral therewith, there is formed a screw, B^2, to retain the tenon securely in place in its mortise in the post A, and to receive this screw B^2 there is cut out of the wood forming the bottom of the mortise a female screw, A^2, corresponding in size with the screw B^2, so that by inserting the tenoned end of the leg within the mortise and turning said leg the tenon is brought to its seat against the post, and the leg is securely held in place by the threads of the screw A^2.

Various well-known equivalents of the female screw A^2 may be used—as, for example, pins projecting in the uppermost cavity of the post to engage with the thread of the screw B^2.

As it is desirable that the diameter of the tenon B′ should be large to render the joint strong, and as the parts may be submitted to strain by tilting the table upon two of its legs, the post is prevented from splitting by means of a cylindrical ferrule, C, having continuous sides made smooth internally and externally, against which the shouldered end B^3 of the leg B is made to bear, as shown in Fig. 1 or in Fig. 2. In Fig. 1 the cylindrical periphery of the shoulder B^3 fits the interior of the ferrule, and thus if any strain is applied to the table-legs it is transmitted directly to the ferrule and to the wood inclosed thereby, and prevents the post from splitting under said strain. To prevent the leg from being accidentally unscrewed, it may be permanently retained by means of a screw, *a*, inserted in the post, and having its point engaging with the tenon, as shown.

Having now fully described my invention, I claim—

1. The combination of a table-leg, provided with a conical tenon and a screw at its extremity, with the frame or post of said table, provided with a conical mortise and screw corresponding in size with the tenon and screw upon the table-leg, substantially as and for the purpose described.

2. In an article of furniture, the combination of the leg B, having a conical tenon, B′, and screw B^2, with the post A, having a conical mortise, A′, and a female screw, A^2, or its equivalent, substantially as and for the purpose described.

3. In an article of furniture, the combination of the leg B, having a conical tenon, B′, and screw B^2, integral therewith, with the post A, having a conical mortise, A′, a female screw, A^2, and a ferrule, C, bearing against the shoulder B^3 of the leg B, substantially as and for the purpose described.

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