

(No Model.)

J. W. THOMPSON & R. GOLLING.
TABLE LEG FASTENER.

No. 486,305.

Patented Nov. 15, 1892.

Fig: 1.

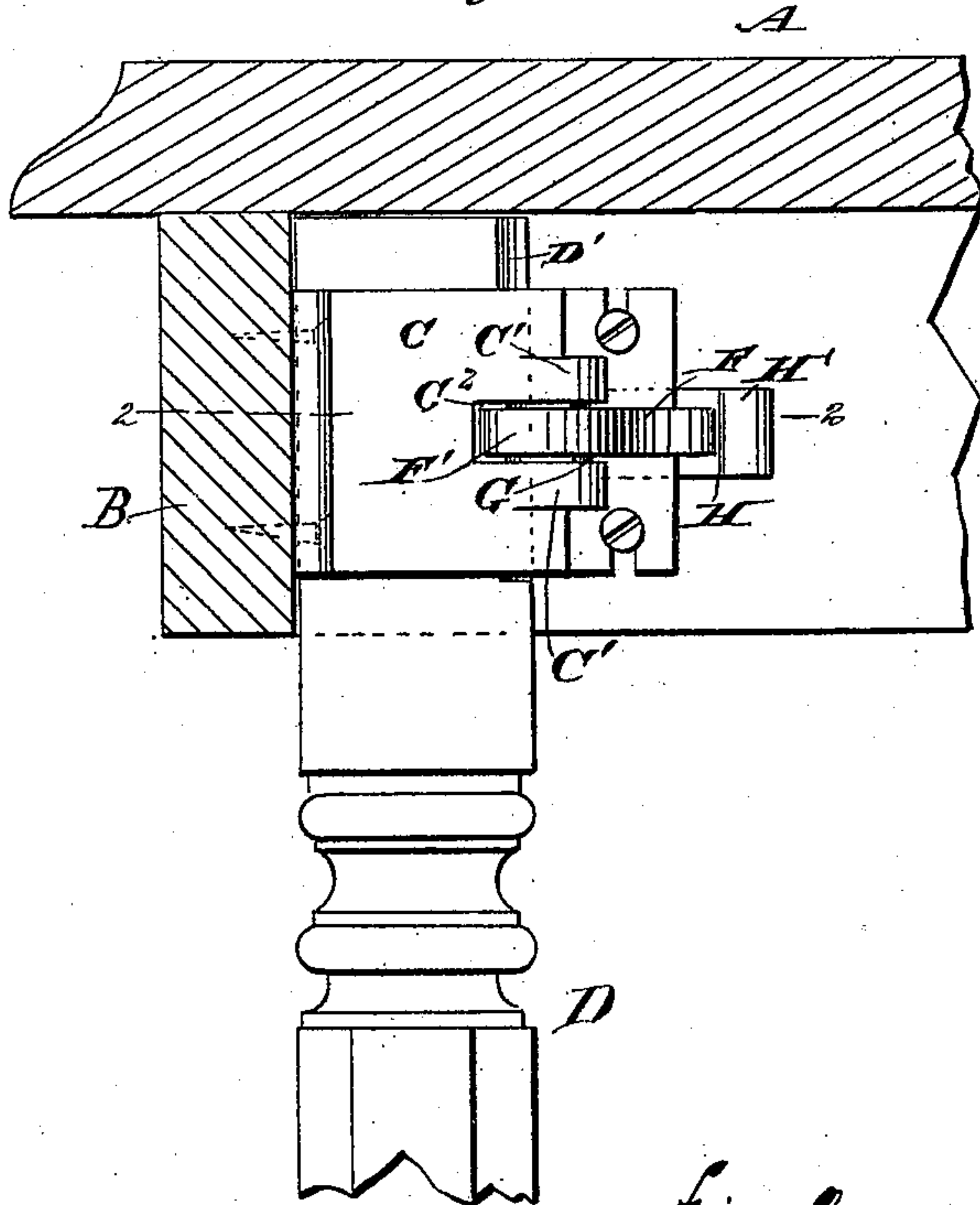


Fig: 3.

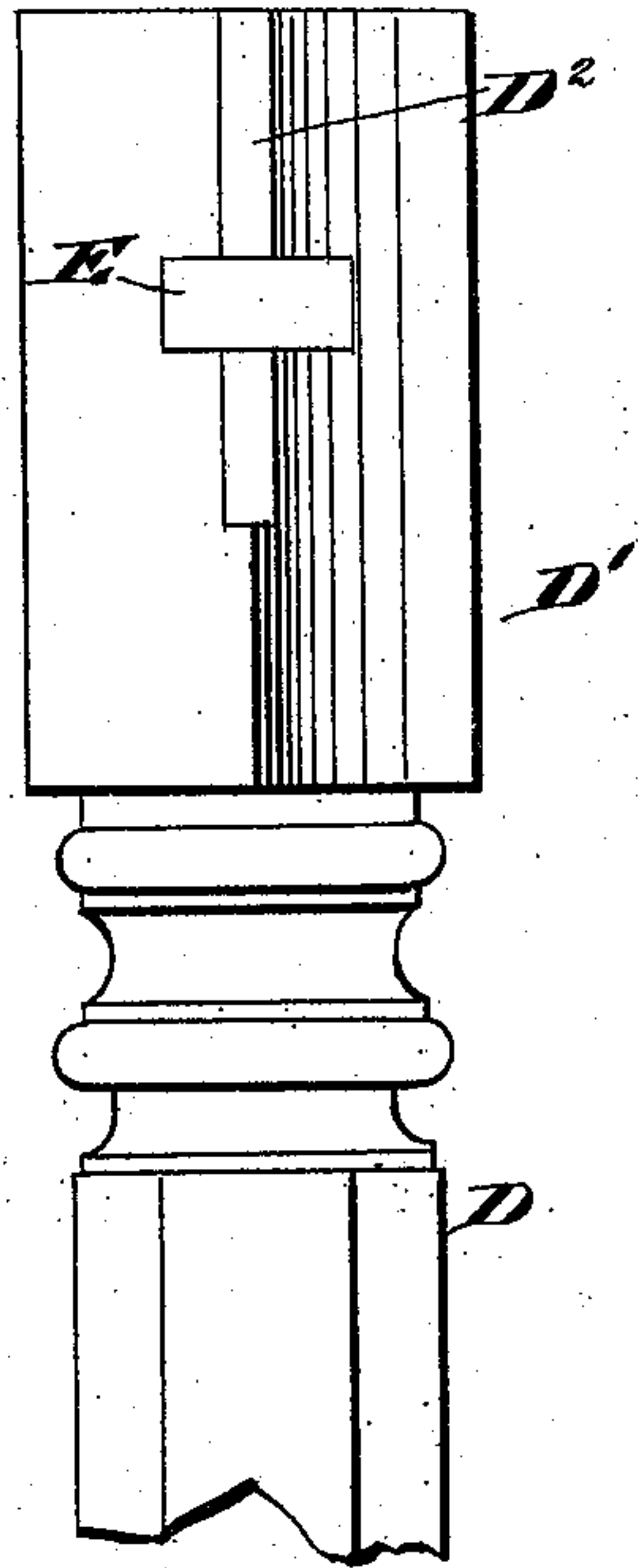


Fig: 2.

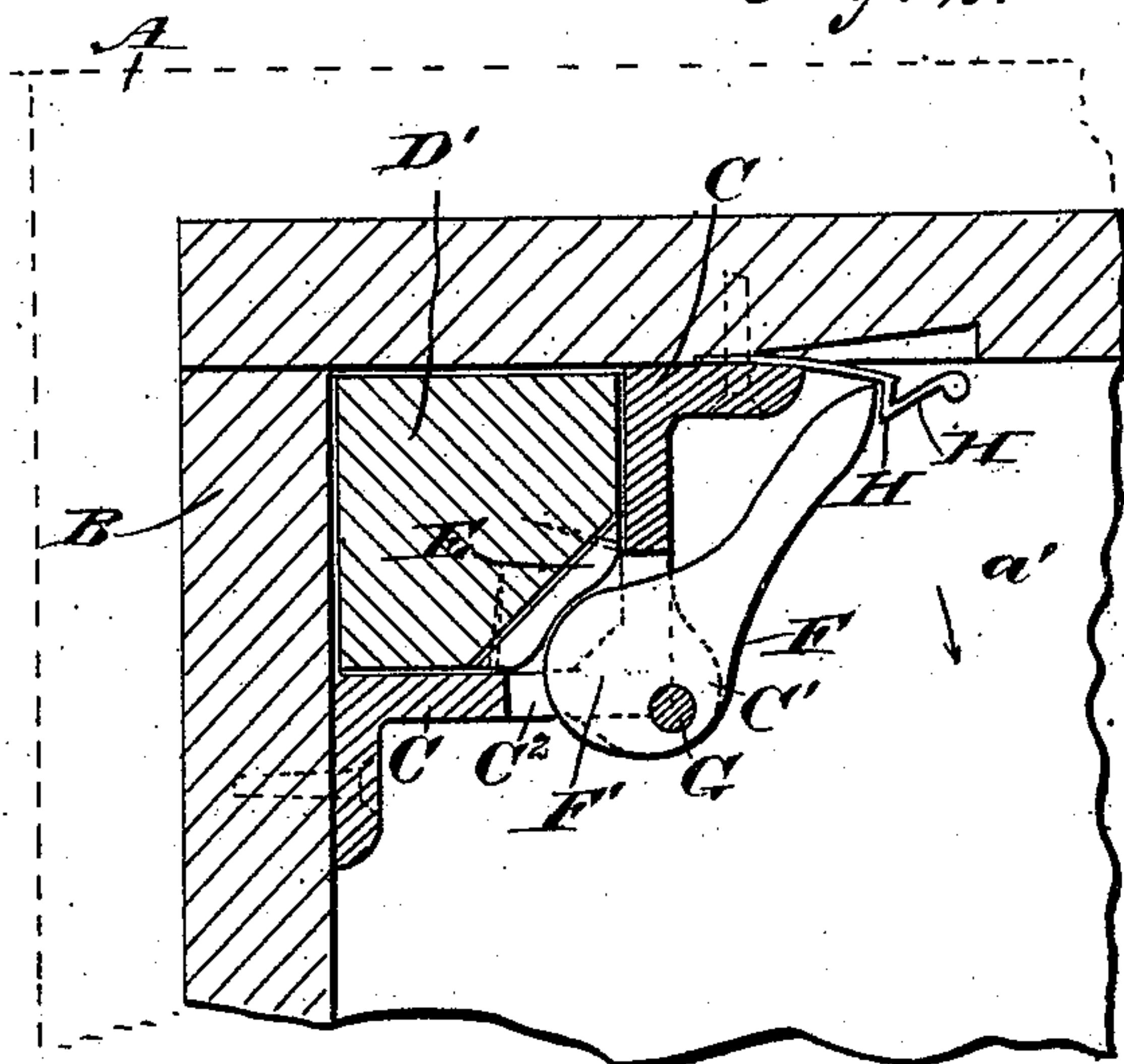
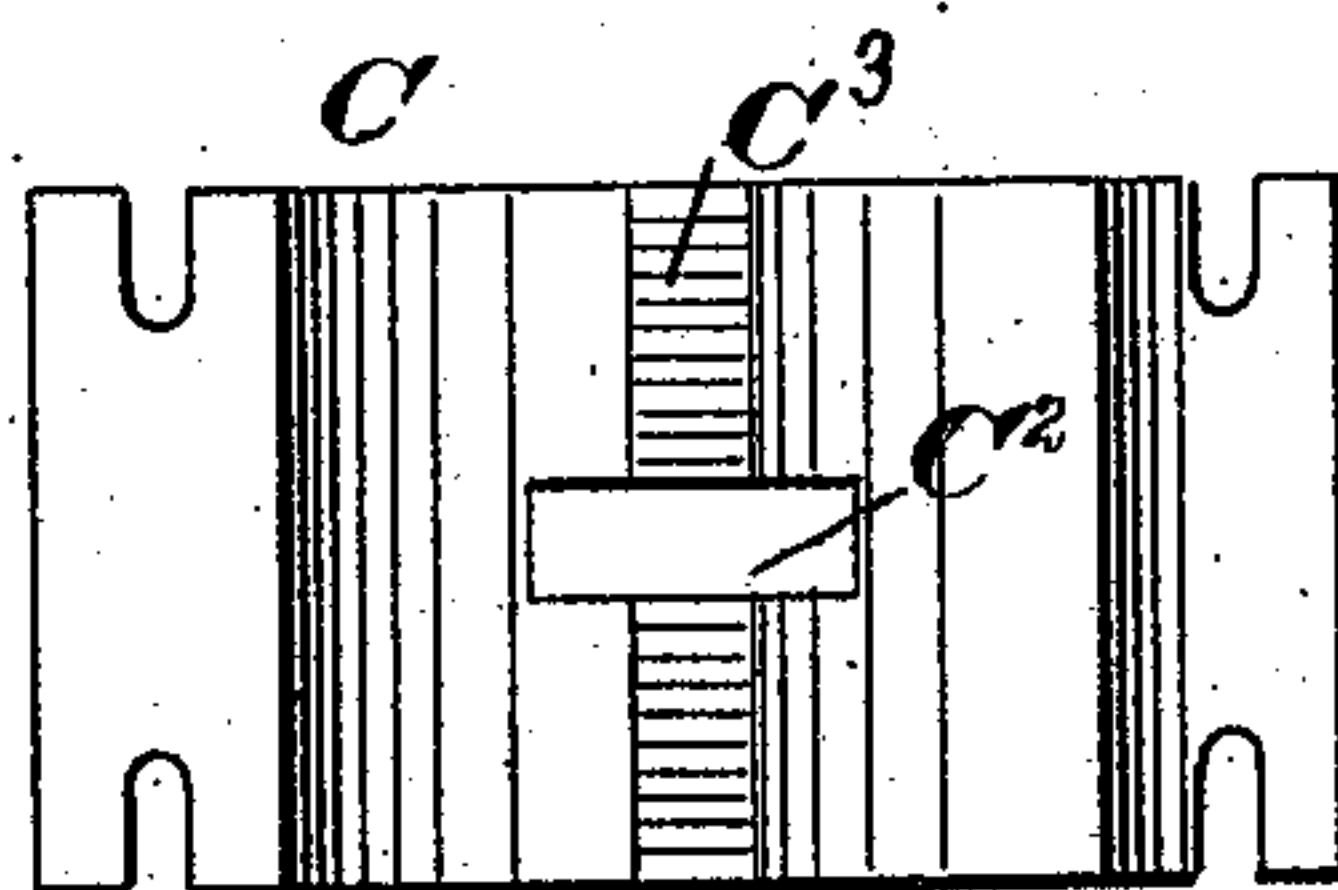


Fig: 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES W. THOMPSON AND ROBERT GOLLING, OF LENOIR CITY, TENNESSEE.

TABLE-LEG FASTENER.

SPECIFICATION forming part of Letters Patent No. 486,305, dated November 15, 1892.

Application filed January 9, 1892. Serial No. 417,495. (No model.)

To all whom it may concern:

Be it known that we, JAMES W. THOMPSON and ROBERT GOLLING, both of Lenoir City, in the county of Loudon and State of Tennessee, have invented a new and Improved Table-Leg Fastener, of which the following is a full, clear and exact description.

The object of the invention is to provide a new and improved fastener, more especially designed for use on tables to conveniently and quickly secure the leg to the table-frame or permit its removal for conveniently packing up the table for shipping, storing, or for other purposes.

The invention consists of a casing adapted to be secured to the frame and a cam-lever pivoted on the said casing and adapted to engage the table-leg.

The invention also consists of certain parts and details and combinations of the same, as will be hereinafter described, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the improvement as applied, the table top and frame being shown in section. Fig. 2 is a sectional plan view of the same on the line 2 2 in Fig. 1. Fig. 3 is a side elevation of the table-leg, and Fig. 4 is an inner face view of the casing.

The improved fastener is applied to a table having the usual top A, on the under side of which is fastened the frame B, to the inside of which, at each corner, is secured an L-shaped casing C, forming with the sides of the frame a square opening for the upper end D' of the leg D. On the end D' and at one corner thereof is secured a piece of rubber or other soft material E, adapted to be engaged by the cam end F' of a cam lever F, having its pivot G mounted in lugs C', projecting from the outside of the casing C. The cam end F' of the lever F extends through a slot C² in the casing C to engage the soft material E, so as to securely hold and lock the leg D in place on the frame B and top A. The free end of the lever F is adapted to be engaged by a projection H' formed on the free end of a spring H, secured to one side of the frame B, as plainly

shown in Figs. 1 and 2. The spring H can be conveniently pressed so as to release the lever F to permit of swinging the same in the direction of the arrow a' to move the cam end F' of the said lever out of contact with the material E to unlock the leg D. The corner of the leg D adjacent to the corner of the casing C is flattened, as at D², and engages a correspondingly-shaped flat surface C³, formed on the inside of the casing at its corner, as plainly shown in Fig. 4. When the lever F disengages with its cam end F' the material E, the leg D can be conveniently withdrawn from the casing C and the frame B for packing up the table for storing, shipping, or other purposes. When it is desired to set up the table, the square end D' of each leg is inserted in the respective casing C, and then the lever F is swung in the inverse direction of the arrow a', so that its cam end F' engages and presses the material E, so as to lock the leg securely in place on the table-top and frame B in the casing C. The free end of the lever F then engages the spring H and is locked in place by the projection H' of the latter.

It will be seen that the entire device is very simple in construction, can be readily applied, and permits of an easy and convenient removal of the legs for the insertion of the same, as the case may require.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

1. The combination, with a frame B, having its corners closed, of the angle-plate C, secured in the inner angle of the frame-corner and forming in connection therewith a leg-socket, a slot C' across the plate C at its angle, and a horizontal swinging lever F, pivoted to the plate C and having a cam F' entering the slot to engage the upper end of a leg inserted into said socket, substantially as set forth.

2. The combination, with a table-top and a frame secured thereto, of an L-shaped casing secured to the said frame at one corner, a leg adapted to engage with its upper end the said casing, a cam-lever pivoted on the said casing, and a piece of soft material held in the said table-leg to be engaged by the cam end of the cam-lever, substantially as shown and described.

3. The combination, with a table-top and a frame secured thereto, of an L-shaped casing secured to the said frame at one corner, a leg adapted to engage with its upper end the said casing, a cam-lever pivoted on the said casing, a piece of soft material held in the said table-leg to be engaged by the cam end of the cam-lever, and a spring for locking the said cam-lever in place, substantially as shown and described.

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Witnesses:

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