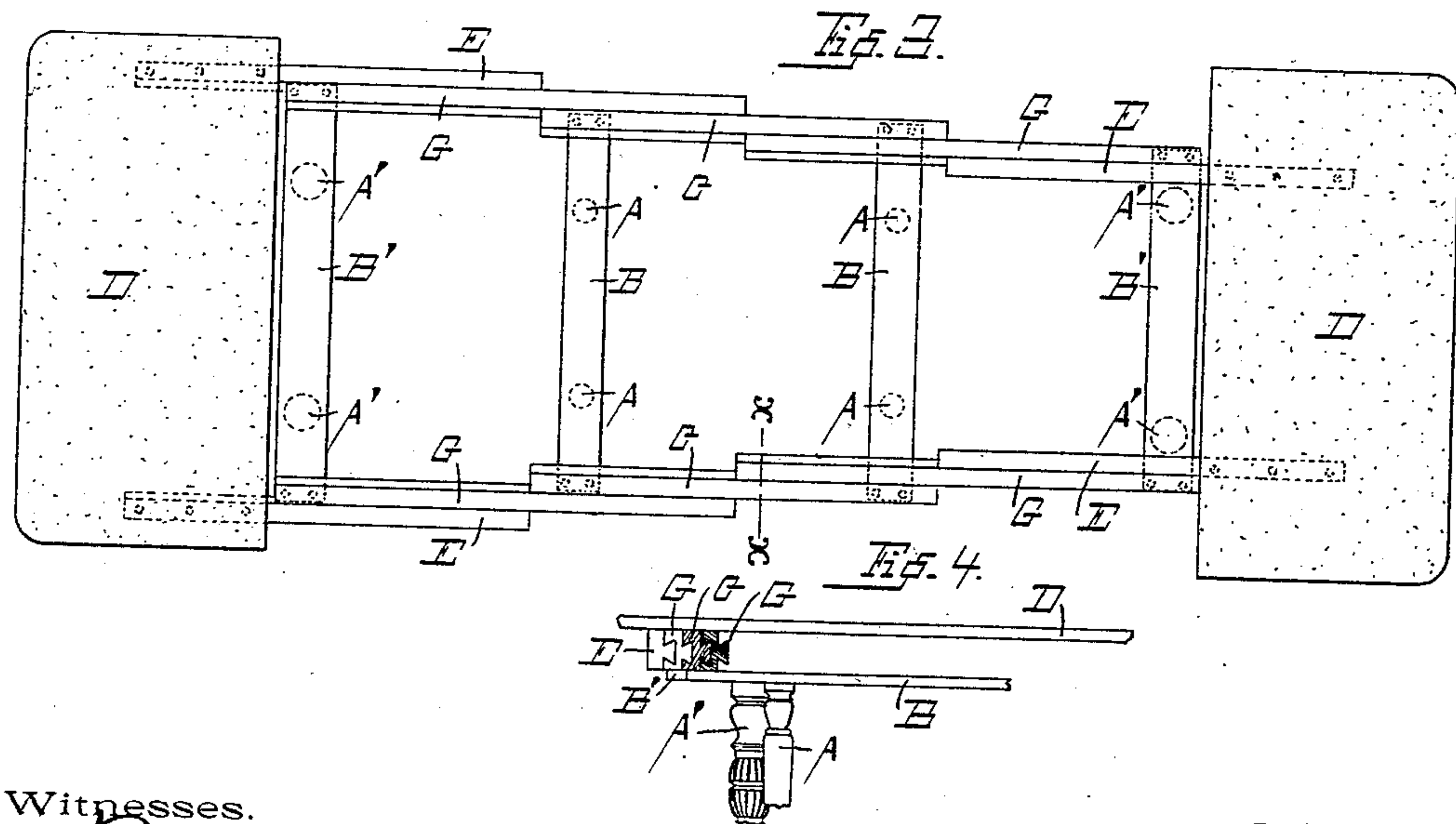
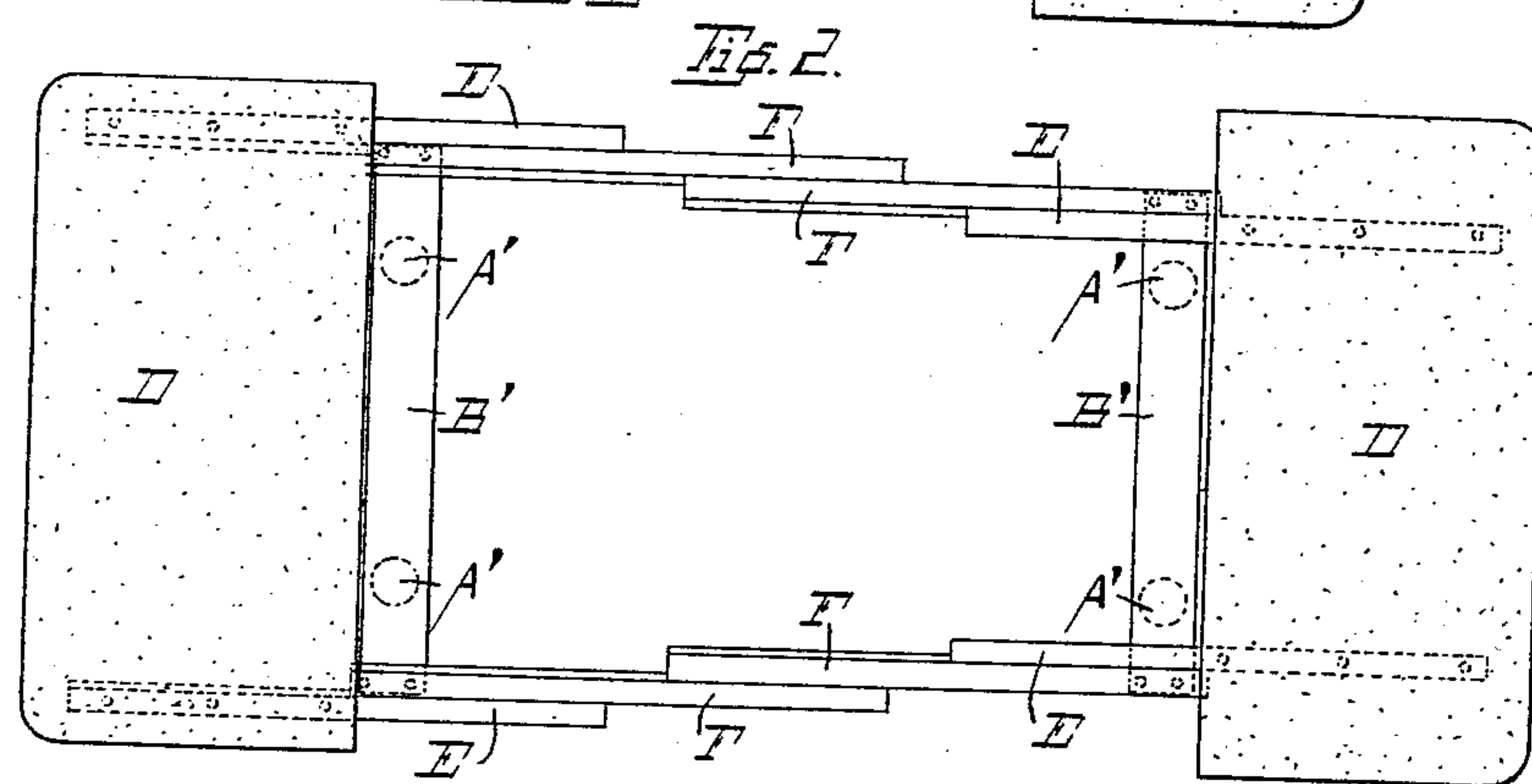
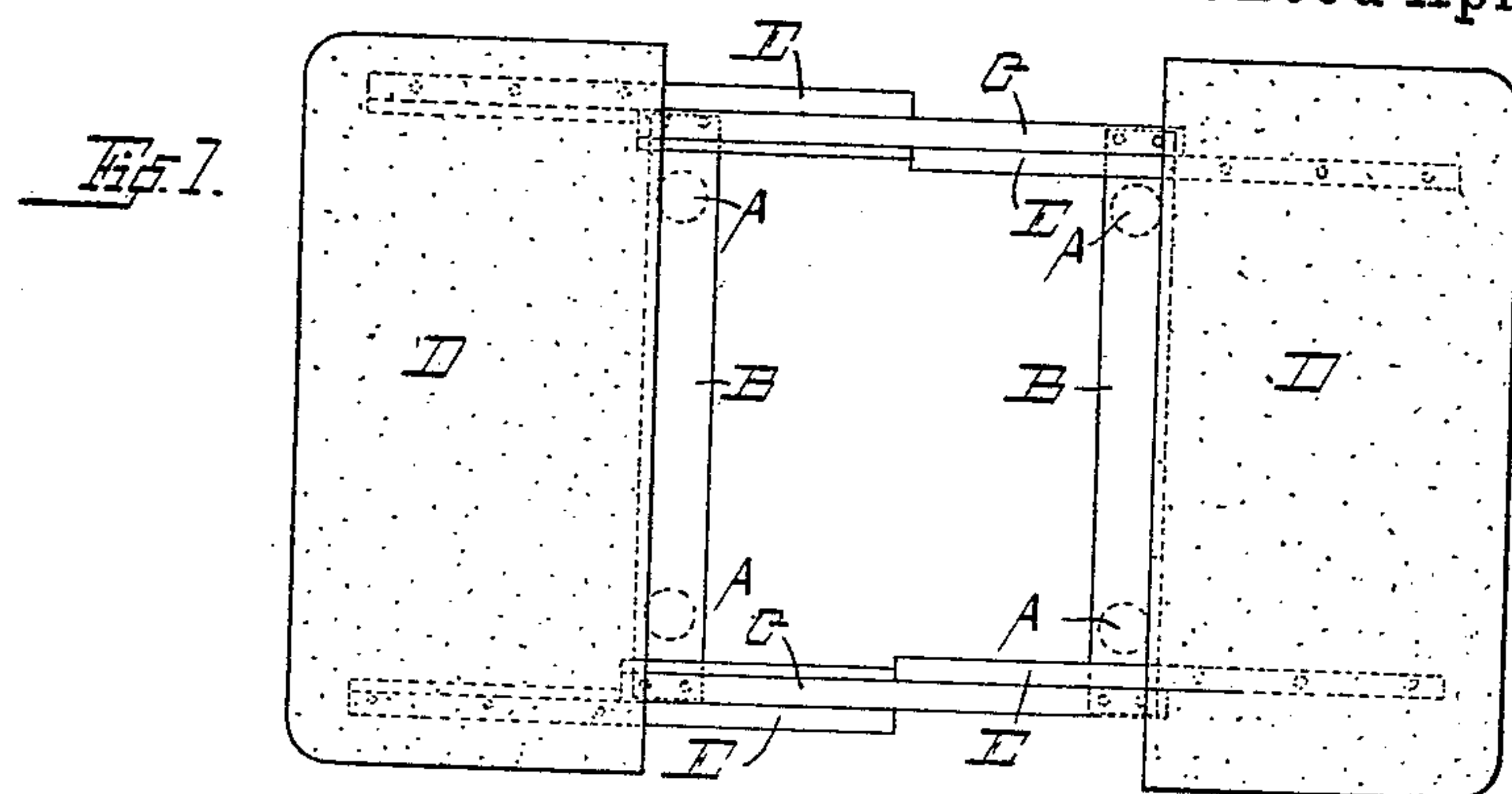


(No Model.)

W. H. KLEIN.
EXTENSION TABLE.

No. 602,509.

Patented Apr. 19, 1898.



Witnesses.

Walter H. Brockway

Inventor.

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UNITED STATES PATENT OFFICE.

WILLIAM H. KLEIN, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO THE
WISCONSIN FURNITURE COMPANY, OF SAME PLACE.

EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 602,509, dated April 19, 1898.

Application filed August 23, 1897. Serial No. 649,148. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. KLEIN, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Extension-Tables, of which the following is a specification.

My invention relates to improvements in extension-tables.

The objects of my invention are, first, to secure such a balance of the respective parts that the joints will not cramp or bind, and that the table may be easily extended or shortened by a single person; second, to cheapen the construction by reducing the number and variety of parts used in the construction of the table.

In the following description reference is had to the accompanying drawings, in which—

Figure 1 is a top view showing one of my tables in an extended position, the table shown being of small size. Fig. 2 is a similar view showing my invention applied to a medium-sized table. Fig. 3 is a third top view showing my invention applied to tables of large size. Fig. 4 is a cross-section drawn on line X X of Fig. 3.

Like parts are identified by the same reference-letters throughout the several views.

Referring to Fig. 1, it will be observed that the legs A (shown in dotted lines) are secured directly to the respective cross-rails B and that the latter are connected by guide-bars C, which are rigidly attached at each end to the cross-rails. The permanent top boards D are secured to the slide-bars E, which are dovetailed to the bar C, those of the left-hand top board being arranged to slide upon the outer sides of the bars C and those of the right-hand top board being arranged on the inner side of the bars C. It will be observed that the slides have a bearing in the guide-bars equal to the width of the top board, and as the latter are extended independently of the legs there is no tendency to cramp or bind the slides.

In Fig. 2 the construction is the same as that of Fig. 1 with the exception that I have substituted for the guide-bars C of Fig. 1 the double guide-bars F F, which are dovetailed together and arranged to slide upon each other, thus permitting the legs to be separated also. In this form the weight of the top

boards extended beyond the legs counterbalances the weight of the center portion, as the slides E of the top boards extend inwardly upon the guide-bars F F to a considerable distance, and thus aid in supporting the latter.

In Fig. 3 I show a further modification of my invention intended especially for tables of largest size. The four center legs A are connected by the cross-rails B and guide-bars C in the same manner as is shown in Fig. 1. Two additional pairs of legs A' A' are also provided, having cross-rails B', to which are attached the slide-bars G G, running on the bars C, and which also serve as guide-bars for the slide-bars E E of the top boards. When this table is folded, the legs A and A' are brought together, as shown in Fig. 4.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In an extension-table, the combination with the table-legs connected in pairs by cross-rails, of the horizontal connecting guide-bars uniting the pairs of table-legs, and a pair of permanent top boards adapted to meet when the table is closed and provided with bars rigidly attached thereto and slidably engaging the connecting guide-bars between the cross-rails, whereby the top sections are permitted to move independently of the legs, substantially as described.

2. In an extension-table, the combination of a central set of four legs rigidly united by connecting cross-rails and fixed horizontal guide-bars, movable legs connected in pairs by cross-rails and provided with sliding guide-bars engaged by the fixed guide-bars of the central legs, and a pair of permanent top boards adapted to meet when the table is closed, and having bars rigidly attached thereto and slidably engaging said sliding guide-bars, whereby the outer legs are permitted to move independently of the central legs, and the top boards independently of any of the legs, substantially as described.

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

WILLIAM H. KLEIN.

Witnesses:

LEVERETT C. WHEELER,
CHAS. B. PERRY.