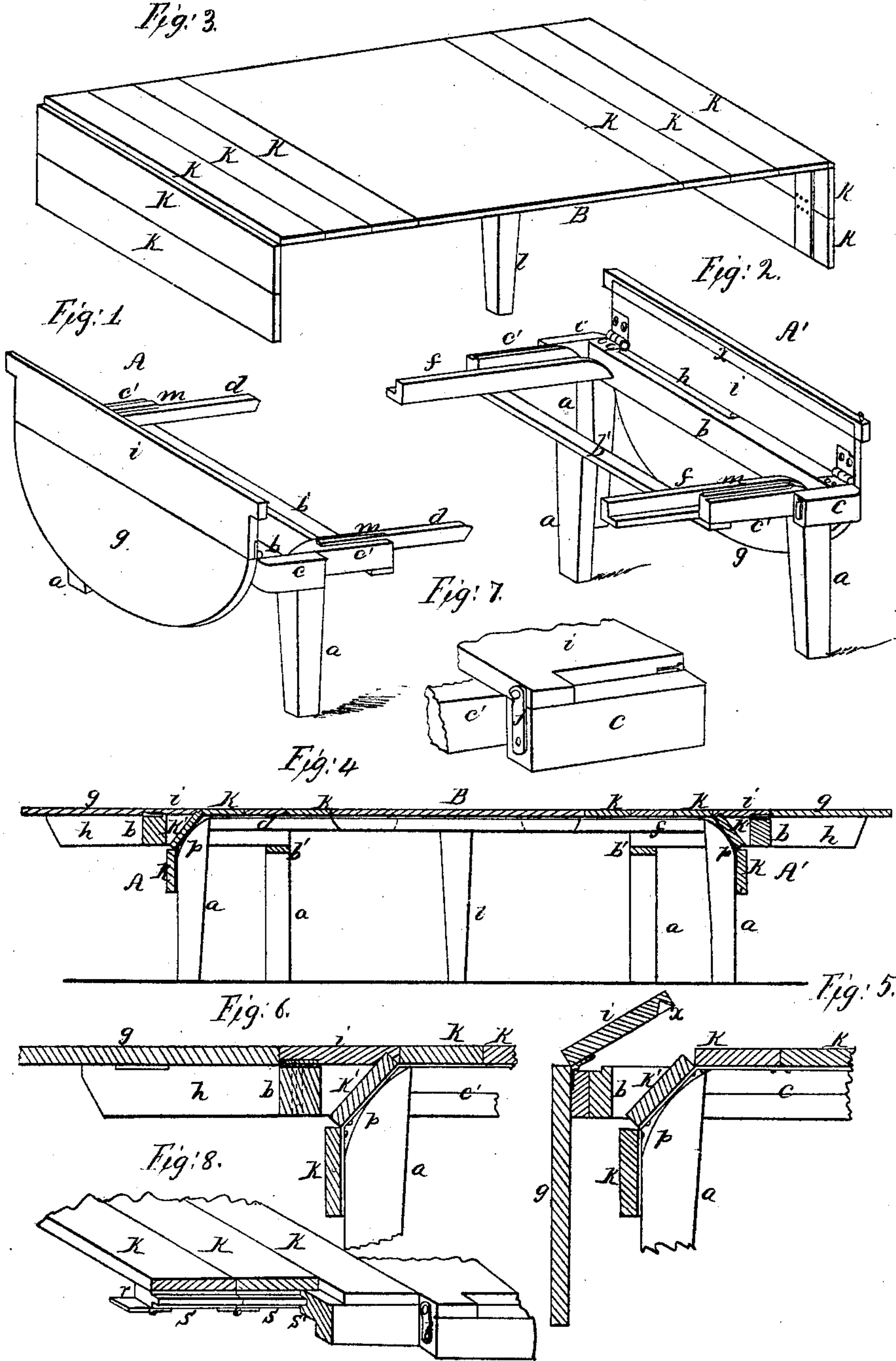


J. Sherman

Extension Table.

N^o 94,447.

Patented Aug. 31, 1869.



Witnesses;
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JOSEPH SHERMAN, OF BURLINGTON, NEW JERSEY.

Letters Patent No. 94,447, dated August 31, 1869.

IMPROVED EXTENSION-TABLE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOSEPH SHERMAN, of Burlington, in the county of Burlington, State of New Jersey, have invented an Improved Extension-Table; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an extension-table, consisting of a frame, the ends of which can be adjusted toward or from each other, and of a top, to which, and to each other, are hinged the extension-leaves of the table, all as fully described hereafter.

In order to enable others skilled in the art to make and apply my invention, I will now proceed to describe the mode of constructing and using the same, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figures 1, 2, and 3, are perspective views of the three main portions of my improved extension-table, detached from each other;

Figure 4, a longitudinal section of the table with the parts connected together;

Figures 5 and 6, sectional views of one end of the table drawn to an enlarged scale;

Figure 7, a detached perspective view, also enlarged; and

Figure 8, a modification of my invention.

Similar letters refer to similar parts throughout the several views.

The frame of the table is made up of the two main portions, A and A', represented in figs. 1 and 2, each of these portions consisting of the legs *a a a*, cross-pieces *b* and *b'*, side-pieces *c c* and *c' c'*, and extensions or tongues *d d*, for the portion A, adapted to and arranged to slide in grooved arms *f f* of the portion A'.

To the cross-piece *b* of each of the portions A and A' of the table, is hinged a semicircular leaf, *g*, supported by a folding arm, *h*, in the usual manner, (see fig. 2,) and to the same cross-piece is hinged a narrower leaf, *i*, the inner edge of which is flush with the ends of the side-pieces *c c*, and is arranged to be fastened to the same by hooks *j*, fig. 7.

Fig. 3 represents another main portion of the table, consisting of the top B and of the extension-leaves *k k*, &c., which are hinged to each other, and to the top, in the manner clearly shown in the drawing, this constituting the most important feature of my invention, and the point in which it differs most from other extension-tables, the leaves of which are all separate and detachable from each other.

The top, B, when the several portions of the table are fitted together, is supported partly by the arms *d* and *f* of the frame, and partly by a leg, *l*, which projects downward from the centre of the said top, and the leaves *k*, when the table is extended to its full length, rest upon the said arms *d* and *f*, and upon the

side-pieces *c'* of the frame, (being guided laterally by tongues *m* of the latter, which enter grooves formed on the under side of the said extension-leaves.)

When the table is to be shortened, the semicircular leaves *g* must first be lowered, in order to allow the leaves *i* to be raised, the latter being unhooked and elevated to about the position shown in fig. 5.

The two portions A and A' of the frame, are then moved toward each other, and the outer extension-leaves *k* guided by the rounded ends *p* of the side-pieces *c'*, and by the legs *a*, are permitted to fall, as represented in fig. 5, this being continued until the table has been shortened to the required extent, when the leaves *i* are depressed and hooked to the side-pieces, after which the rounded leaves *i* may be elevated, if desired. (See figs. 4 and 6.)

It will be observed, on referring to figs. 5 and 6, that in passing over the rounded surfaces *p*, one of the extension-leaves, *k*, must be at an angle of about forty-five degrees, when the adjoining horizontal leaf is in such a position as to permit the full descent of the leaf *i*, and the latter is notched at *x*, so that it may fit over the projecting edge of the leaf *k*, and thus prevent its further movement, and the consequent extension or diminishing of the length of the table.

This notching of the leaf *i*, to enable the same to fit against and between the extension-leaves, also braces the table in the direction of its length, and renders it perfectly firm.

When the table is extended to its full length, the ends of the leaves *i* rest against the outermost extension-leaves *k*, and the length of the table may be diminished to such an extent that the extension-leaves at each end of the table shall hang vertically downward, almost touching the floor, while the leaves *i* shall be in direct contact with the opposite edges of the top B.

The leaves *g* being hinged, the table, whether extended or contracted, may be made round-ended or square, according as these leaves are raised or lowered.

One of the greatest objections to the separate extension-leaves of ordinary extension-tables, besides their inconvenience, is their liability to warp, this being effectually prevented in my improved table, without adding materially to the expense, by employing continuous strap hinges for connecting the leaves together.

The modification of my invention, fig. 8, represents a plan by which the table may be made considerably firmer, and the central leg *l*, if desired, be dispensed with. This consists in securing to the under side of each of the extension-leaves, and close to its opposite ends, a block, *r*, which has a tongue, *s*, adapted to a groove, *s'*, formed on the side-pieces of the frame.

The connecting-hinges are secured to these blocks instead of directly to the leaves, but the ready adjustment of the latter is not interfered with.

I claim as my invention, and desire to secure by Letters Patent—

1. An extension-table, in which adjustable leaves are hinged together, and are arranged to slide over guides, and assume either a horizontal or a vertical position, substantially as described.

2. The leaves *k*, hinged together and to opposite sides of the central portion *B*, and independent of the adjustable ends, substantially as specified.

3. The rounded surfaces *p* of the frame of the ta-

ble, arranged, with respect to the extension-leaves *k*, substantially as specified.

4. The leaves *i*, with their notches *x*, arranged with respect to the extension-leaves and to the guiding-surfaces *p*, substantially as herein set forth.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

JOSEPH SHERMAN.

Witnesses:

JOHN WHITE,
HARRY SMITH.