

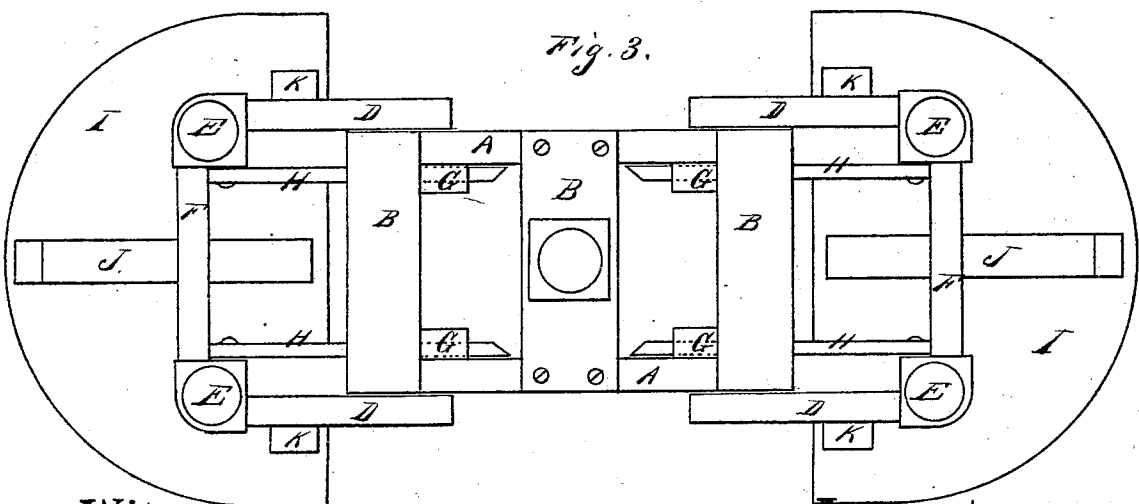
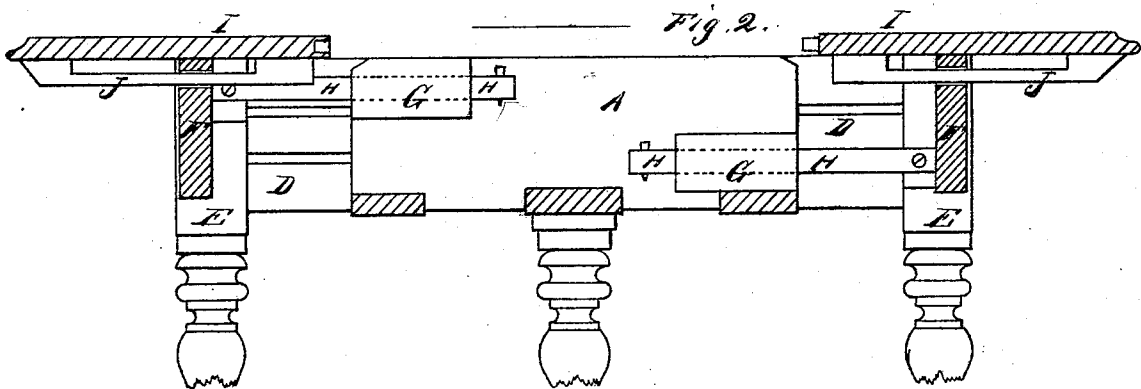
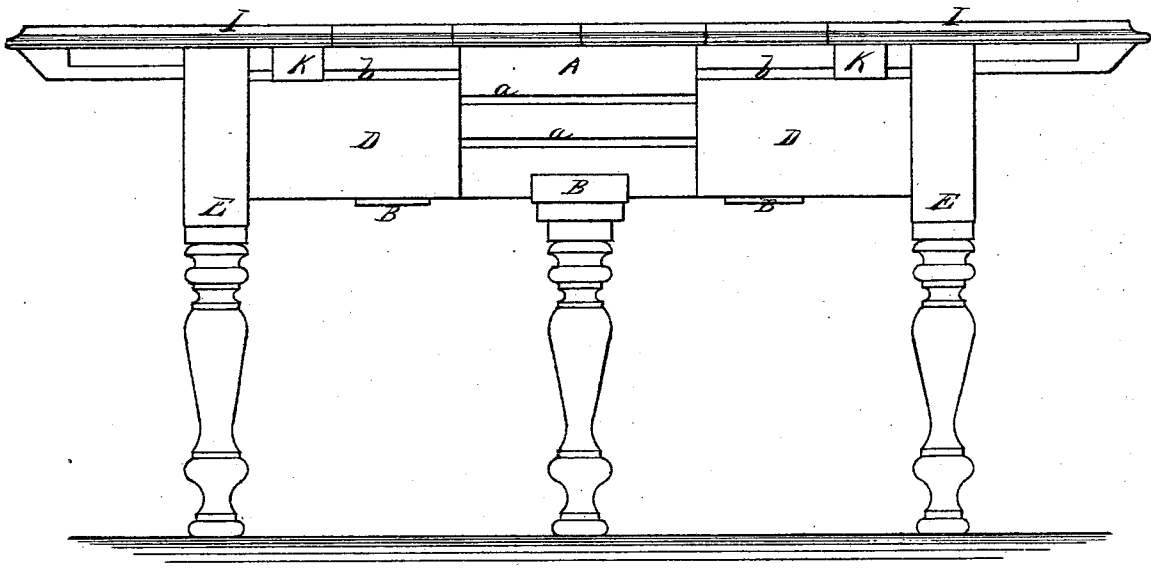
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Improvement in Extension Tables.

No. 123,397.

Fig. 1.

Patented Feb. 6, 1872.



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UNITED STATES PATENT OFFICE.

AUGUST HANSON, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN EXTENSION TABLES.

Specification forming part of Letters Patent No. 123,397, dated February 6, 1872.

To all whom it may concern:

Be it known that I, AUGUST HANSON, of San Francisco, in the county of San Francisco and State of California, have invented an Improved Extension Table; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The object of my invention is to provide an improved extension table for dining and other purposes; and it consists mainly in so constructing the leaves that they can be extended without moving the sides of the frame. It also consists in such an improved construction in the mechanism that great stiffness and solidity are given to the table, as well as a superior simplicity of construction for the extension side pieces.

Referring to the accompanying drawing for a more complete explanation of my invention, Figure 1 is a side elevation of this table; Fig. 2, a vertical longitudinal section; Fig. 3, a bottom view.

A A are the side pieces of the central portion of the table, and these side pieces are strongly united at the bottom by cross-pieces B. A single leg extends downward from the central cross-piece. The side pieces D D of the two end portions of the table are firmly joined to the legs E, and these are united by a cross-piece, F, in the usual manner. The sides D slide closely against the outside of the pieces A, and are provided with plain tongues, which fit into the grooves *a a* in the pieces A to guide the extension sides in their movements. These tongues and grooves are not dovetailed or otherwise fitted to prevent the sides from spreading apart, as in ordinary tables, but are simply sawed or otherwise made, the sides being held in place by a device hereinafter described. In order to give greater steadiness to the extension sides in their movements, a guide, G, is secured at the inner side to each end of the pieces A, and a sliding strip, H, is secured to the inside of the legs E in a line with the guides G, through which it moves, and by thus giving a double bearing the moving parts are kept in line and move freely, and the whole frame is very stiff. The other and more important part of my invention is the

employment of sliding or extension leaves I I, by which the table can be still further lengthened without weakening it or multiplying the parts; or the device can be easily added to ordinary kitchen-tables with solid sides to form a sufficient extension for many purposes. In order to attach the leaves I I, a slot is cut through each of the end pieces F at or near the middle, and guides J for each leaf are fitted to move through these slots. A plain groove, *b*, is formed on the outside of each of the pieces D near the top, and blocks *k* are secured to the under side of the leaf at each side and near its inner end. These pieces have a plain tongue, which fits into the groove *b*, and the leaf is thus guided from the center and the outside, so that its movements will be free and steady, while the relative position of the guides J and *k* insure great stiffness to the leaf when drawn out. The guides *k* clasp the sides D near the top, and thus hold them at all times closely against the sides A, and prevent them from spreading, and this obviates the need of dovetailed slides and grooves or other similar devices for holding the parts in place. The slides H are prevented from drawing through their guides by a simple pin, and the whole table is very easily and cheaply made. The space between the sides A is sufficient to hold all the leaves when not in use.

It will be readily seen that the extension leaves alone can be added to any ordinary table with but slight expense, and greatly increase its usefulness.

It is possible, in building an extension table of my invention, to make the side pieces D upon each side in one piece, the tongues being put in and the whole fitted over or outside the sides A, which insures everything being in a line. When all is finished, the pieces D can be sawed apart at the center, and the table will then be in working order.

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

1. The combination of side pieces A A, with their grooves *a a* and guides G, and the extension pieces D, with their tongues and the slides H, substantially as herein described.

2. The extension leaves I I with the central guides J and the exterior guides *k*, when con-

structed to operate substantially as herein described.

3. In combination with the interior side pieces A and the extension sides D, as shown, I claim the extension leaves I with their exterior tongued guides *k*, for retaining the parts in position, substantially as herein described.

In witness whereof I have hereunto set my hand.

A. HANSON.

Witnesses:

GEO. H. STRONG,
PHILIP MAHLER.