

J. B. THURSTON.
Extension-Table.

No. 200,849.

Patented March 5, 1878.

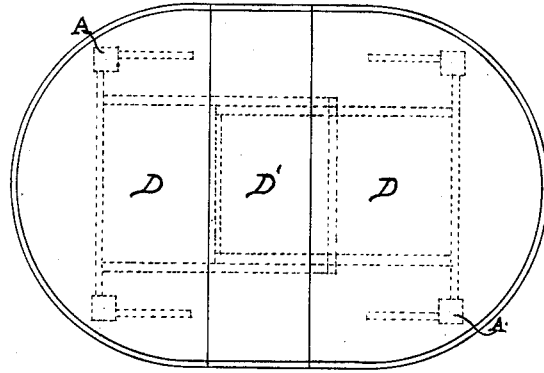


Fig. 1

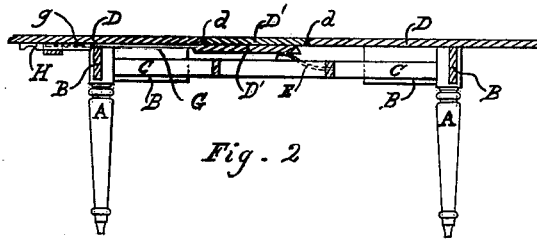


Fig. 2

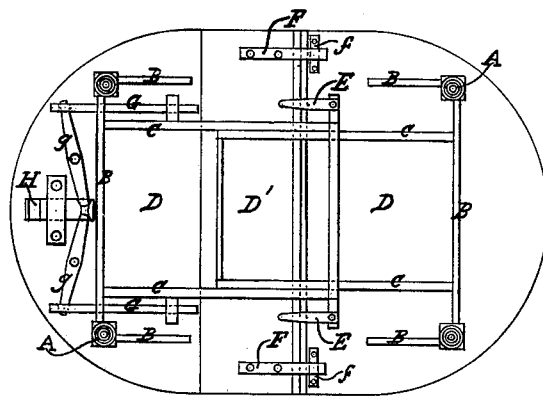
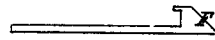


Fig. 3

Witnesses.

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IMPROVEMENT IN EXTENSION-TABLES.

Specification forming part of Letters Patent No. 200,849, dated March 5, 1878; application filed April 5, 1877.

To all whom it may concern:

Be it known that I, JAMES B. THURSTON, of Brooklyn, in Kings county, and State of New York, have invented a new and useful Improvement in Extension-Tables, of which the following is a specification:

This invention has for its object the construction of an extension-table with such an arrangement of the extension-leaves that they will automatically slide into their proper positions in the table-top when the table is drawn out or extended, and also move by an automatic arrangement under the table-top when the table is pushed together or shortened.

The invention will be readily understood by reference to the accompanying drawings, of which—

Figure 1 is a top plan of the improved table, showing one of the extension-leaves in position in the top. Fig. 2 is a longitudinal sectional elevation of the same. Fig. 3 is a bottom plan of the table, showing the mechanism for operating the leaves.

The table is supported on the legs A, in the usual manner of extension-tables, and the number of the legs employed may be regulated, as required, to meet the exigencies of the different lengths or styles of tables built. The top ends of the said legs will be attached to and support the frame B or ways C, upon which the table-top D D' is sustained.

The end parts of the table-top D will be securely fixed to the end parts of the frame-work B, and the joint *d*, by which the two end parts of the table-top are joined together, or to the movable leaves D', will be beveled, as shown best in Fig. 2. The ways C, which fit into and slide upon each other and furnish support for the movable leaves D', are securely fixed to the frame-work B and top sections D, and move with them as the table is drawn out or lengthened or pushed together or shortened, in the usual manner of extension-tables.

There are recesses or pockets formed in the frame-work B or ways C, or both, or above the ways C, for the reception of the movable leaves D', as shown in Fig. 2. Springs E, of some suitable form and construction, will be secured to the under side of one of the end

sections of the top D, and arranged to press against the bottoms of the movable leaves D', and press them upward to their proper positions in the table-top, as required.

A metal hook, F, of any approved form of construction, will be fixed to the bottom side of each of the leaves D', near each of its ends, and in such a position that the hook part of the piece will project an inch, more or less, beyond the front edge of the leaf. These hooks will be arranged with the hooks or catches projecting upward, so as to engage the lugs or catches *f*, which are attached to the fixed part D of the table-top or to the back edges of the movable leaves, as the case may be.

As the table-top is drawn apart to lengthen it, the hooks F will catch in the lugs or catches *f*, the springs E acting to press the said hooks into their catches or lugs, and so the leaves will be successively drawn into their places, each successive leaf moving automatically into its place in the table-top as the same is drawn out, in the usual manner.

Of course, at the commencement of the movement above described the table will be closed, and the leaves stored in the pocket prepared for them below the top, as hereinbefore described.

The bevel-joints *d* will assist the parts to move readily into place, and the hooks F and their lugs *f* will hold the edges of the leaves together and to the fixed part of the table-top, in all cases except at the back edge of the fixed top, without the use of dowels.

At the back edge of the fixed table-top there will be suitable slides G G, arranged to move out under the back edge of the last leaf, so as to hold it up properly in its place without the use of dowels. These slides may be of metal or wood, and will move in suitable ways attached to the under side of the top D, and may be operated by the connecting-levers *g g* and the thumb-piece H, or by any similar or suitable device.

When the table-top is extended and is to be contracted, the slides G G will be withdrawn, so as to allow the back ends of the leaves to drop down, and then, by simply pushing the top together, the leaves, or as many of them

as required, will slide down on the beveled edges *d* into the storage-pocket prepared for their reception, as described.

Having described my invention, I desire to claim—

1. An extension-table having the sliding sections *D D*, connected by the slides *c*, arranged to form a storage-pocket beneath the top, to receive the supplemental leaves *D'*, the latter resting upon the upwardly-pressing springs *E*, and being each provided with hooks *F* upon one edge, adapted to engage automatically

with lugs or eyes *f* upon the edges of the adjacent leaves, as and for the purpose set forth.

2. In combination with the table-top *D*, the slides *G G*, connecting-levers *g g*, and thumb-piece *H*, so constructed that when the thumb-piece is drawn to the edge of the table, the arms will pass under and form a support to an extra leaf, substantially as described.

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Witnesses:

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