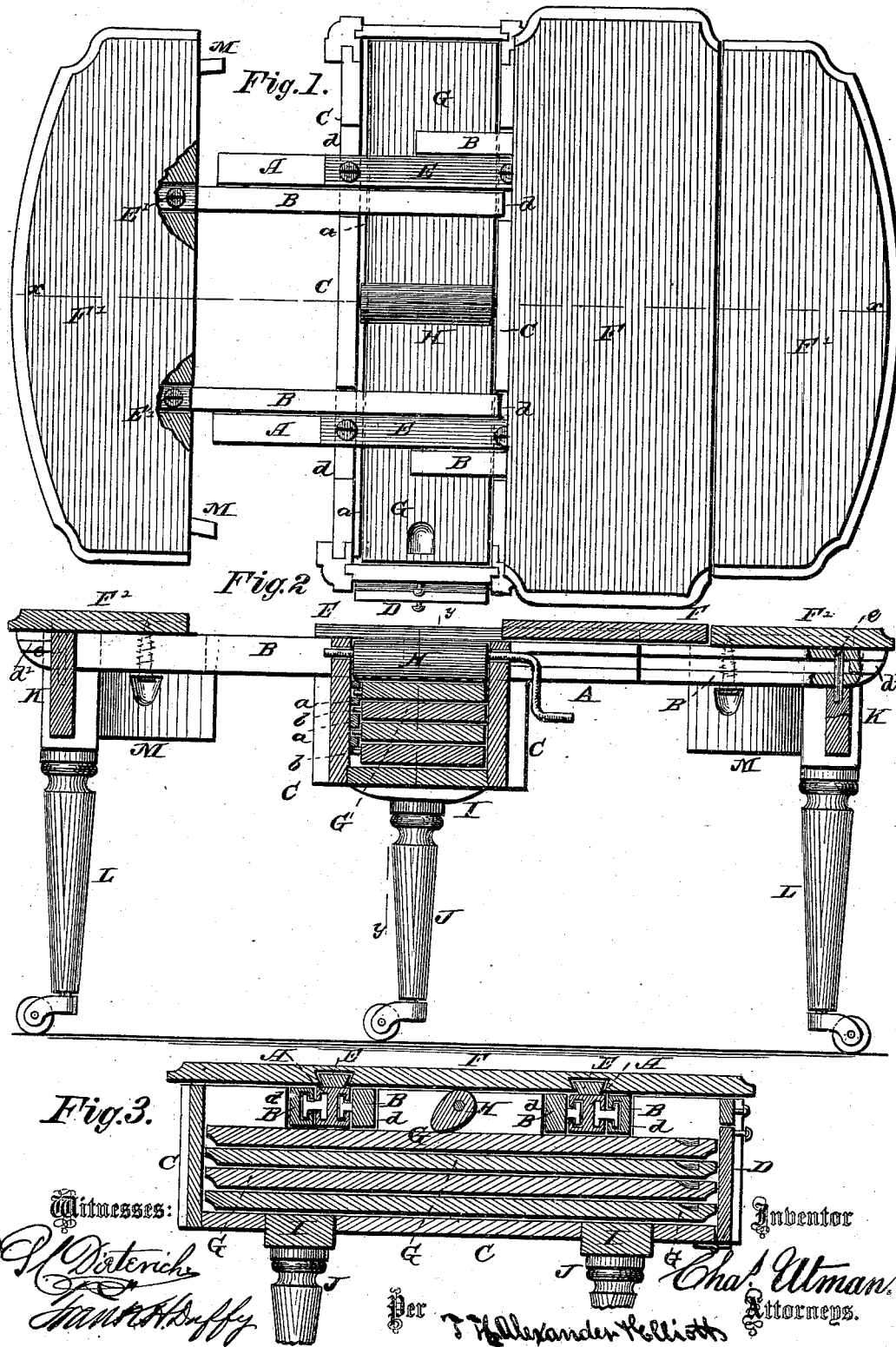


C. UTMAN.  
Extension-Table.

No. 215,415.

Patented May 13, 1879.



# UNITED STATES PATENT OFFICE.

CHARLES UTMAN, OF HILLSBOROUGH, OHIO.

## IMPROVEMENT IN EXTENSION-TABLES.

Specification forming part of Letters Patent No. **215,415**, dated May 13, 1879; application filed March 12, 1879.

*To all whom it may concern:*

Be it known that I, CHARLES UTMAN, of Hillsborough, in the county of Highland and State of Ohio, have invented certain new and useful Improvements in Extension-Tables; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to extension-tables; and it consists in the construction and combination of parts thereof, as will be hereinafter more fully set forth, and pointed out in the claims.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a plan view; Fig. 2, a longitudinal section; and Fig. 3, a cross-section.

A A represent the two stationary slides or guides, having grooves upon both sides, in which the movable slides B B work, the arrangement of the grooves and the parts working therein being substantially the same as in other extension-tables.

C represents a box under the center of the table, which box is closed all around, but open at the top, and provided at one end with a door, D, hinged at its lower edge, so as to be let down out of the way while putting the table-leaves into or removing them from the box. In the sides of the box C, from the top edges downward, are cut out suitable mortises *d* to receive the slides A B, the stationary slides A being fastened to the box, while the slides B move on each side, the upper surfaces of all the slides being flush with the upper edges of the box.

On top of each stationary slide is secured a dovetailed strip, E, onto which the center part, F, of the table-top is fitted by means of corresponding dovetailed grooves in the under side thereof. The top F is thus fastened to the slides A A, and constitutes a close-fitting cover for the box C, while at the same time it can be easily removed, when desired, for shipment or other purposes.

When the door D is closed the box C be-

comes perfectly tight, admitting no dust, and keeping the leaves G clean and out of the way when not in use.

On the inside of the box C, along one side, are fastened parallel strips *a a*, at proper distances apart to admit between them the pins *b b* of the leaves G, while the leaves themselves are in contact with each other, supported on the bottom of the box, and resting one upon the other, as shown. The strips *a a* prevent the pins or dowels *b* from striking the sides of the box.

Across the center of the box, at the top, is mounted a cam or eccentric, H, having its journals passing through the center of the box, and one of them provided with a crank for turning the eccentric. This cam or eccentric is to be turned down tightly on the top leaf in the box, whereby all the leaves are held firmly therein, and any warping of them prevented.

In the bottom of the box C are inserted two cross-bars, I I, into which the center legs, J J, are screwed, so as to be easily removable for shipment.

In the outer end of each movable slide B is secured a small block, *d*<sup>2</sup>, fastened by a screw or otherwise, for closing the end of the groove in the slide. By removing this block *d*<sup>2</sup> the slide can easily be drawn out from the opposite side. The outer ends of the movable slides B at each side are let into the end rail, K, of the table, and held thereto by pins *e*, said slides projecting a suitable distance beyond the side rail to form a firm support for the outer or side part, F', of the table-top. The top F' is, in its under side, provided with dovetailed grooves to fit over corresponding dovetailed strips E' fastened on top of the movable slides B.

The method of holding the different parts F and F' of the table-top to their respective places by means of dovetailed strips prevents the top from warping or springing, and admits of its being easily removed and put on again, as required.

The parts F' of the table-top are kept in their places to their respective end and side rails by means of screws from underneath, and the center part, F, of the top may, in like manner, be fastened to the box C.

Each end bar or end rail, K, is secured to and

forms a connection between the two legs L L, and to each leg is secured a small side rail, M, to form the connection with the center box, C, when the table is closed and no leaves are used. These side rails, M, stand at obtuse angles with the legs L L, thus admitting of making the central box, C, sufficiently long to allow the movable slides to rest on said box when the table is drawn out, and yet, when the table is closed, the side rails, M, will form the proper connection with the box to present a symmetrical appearance.

The construction of my table, as described, admits of it being put up for shipment in very small compass, and enables me to pack nearly twice the number of tables in the space as heretofore done. At the same time the table is easily put together, and there is no danger of any part of the top or leaves springing or warping.

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

1. In an extension-table having a box for receiving the leaves, a cam or eccentric arranged across the upper part for holding the leaves down firmly, substantially as herein set forth.

2. In an extension-table, the central or stationary slides, A, pocketed or recessed in the sides of the box, and provided on top with dovetailed strips for holding the table-top, substantially as herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHARLES UTMAN.

Witnesses:

J. H. KEECH,  
W. T. GREUBER.