

No. 647,553.

Patented Apr. 17, 1900.

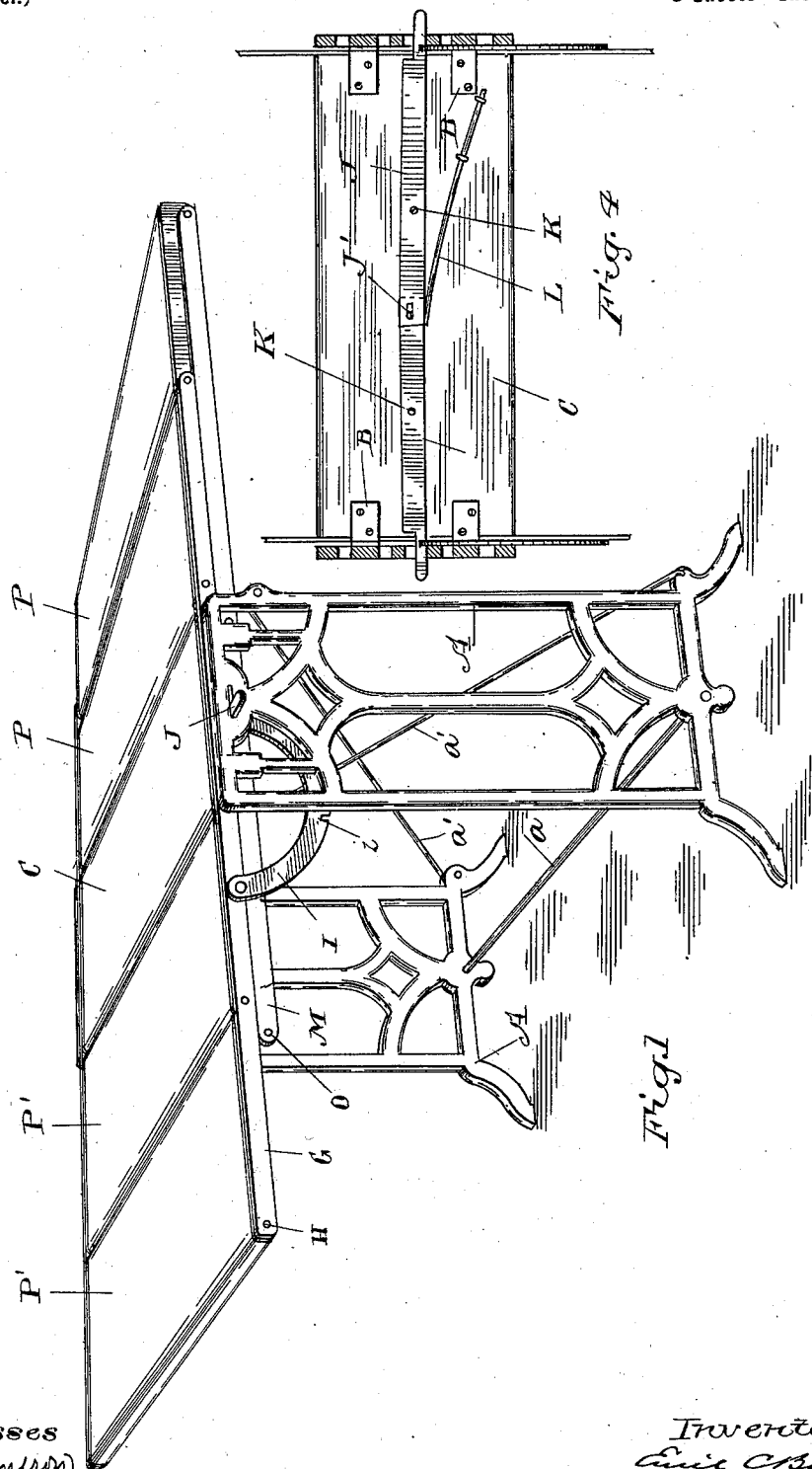
E. C. BOECKH.

COMBINED DISPLAY TABLE AND CASE.

(Application filed Jan. 21, 1899.)

(No Model.)

3 Sheets—Sheet 1.



Witnesses
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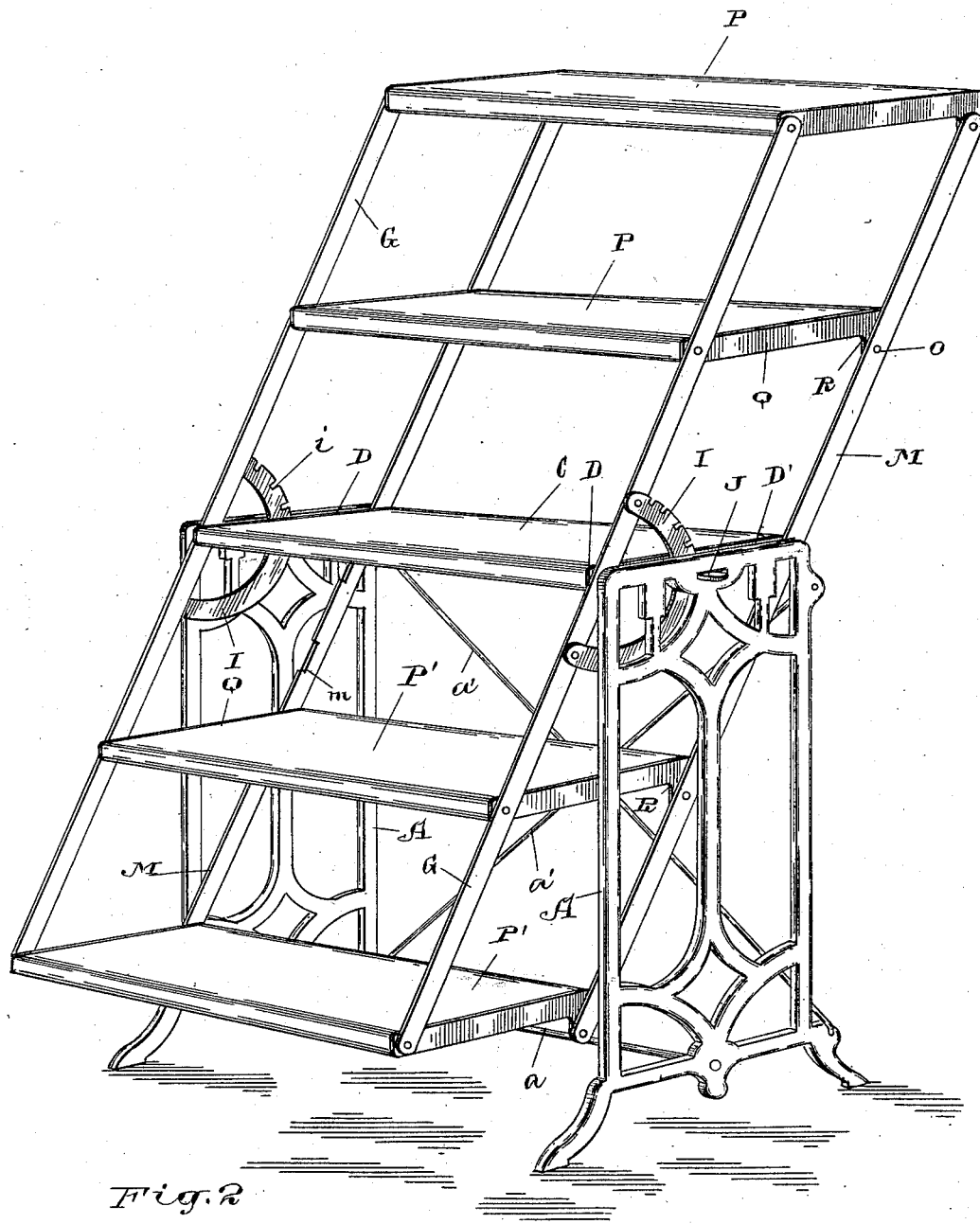
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(No Model.)

3 Sheets—Sheet 2.



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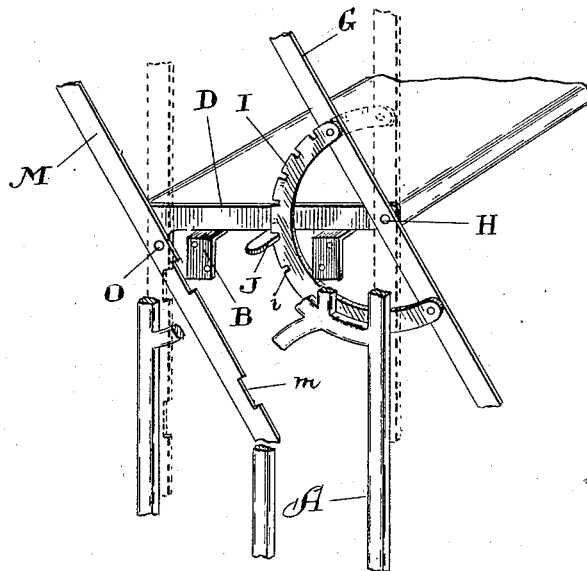


Fig. 5

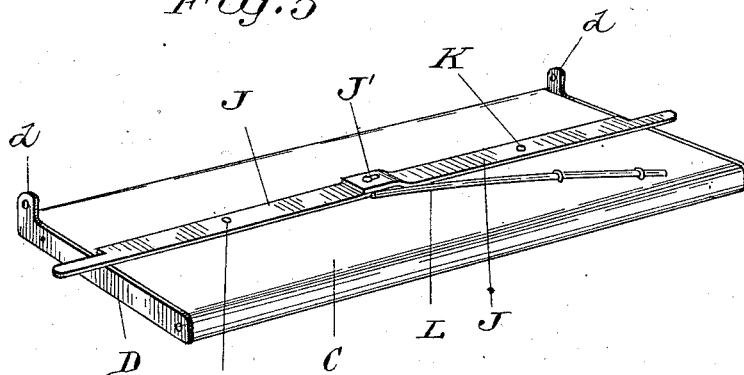


Fig. 3

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UNITED STATES PATENT OFFICE.

EMIL CARL BOECKH, OF TORONTO, CANADA.

COMBINED DISPLAY TABLE AND CASE.

SPECIFICATION forming part of Letters Patent No. 647,553, dated April 17, 1900.

Application filed January 21, 1899. Serial No. 702,999. (No model.)

To all whom it may concern:

Be it known that I, EMIL CARL BOECKH, of the city of Toronto, in the county of York and Province of Ontario, Canada, have invented certain new and useful Improvements in a Combined Display Table and Case; and I hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to a combined display table and case for commercial or domestic uses, consisting of a supporting base or stand and a series of independent sections or leaves adjustably connected to the base or stand and capable of being moved collectively either into the same horizontal plane or into a succession of independent horizontal planes arranged successively one above the other, commencing at the bottom; and the invention relates more particularly to the peculiar construction and arrangement of the parts constituting this display table and case and the manner in which they are assembled and operated, as hereinafter more fully set forth, and more particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the combined display table and case, showing the leaves or sections moved into the same horizontal plane. Fig. 2 is a perspective view showing the leaves or sections arranged successively one above the other, commencing from the lowermost. Fig. 3 is a detail perspective view of the locking-lever. Fig. 4 is a view of the under side of the middle leaf or section, showing the locking-lever in position. Fig. 5 is a detail view of one of the links and quadrant.

Like letters of reference refer to like parts throughout the specification and drawings.

A A represent the opposite sides of the supporting base or stand, the lower ends of which are united by a stay rod or bolt *a* and are braced at the back by crossed stay rods or braces *a' a'*.

B B represent two brackets projecting inwardly from the top of the inner face of each of the sides A A.

C represents the middle leaf or section of the display table and case supported upon the brackets B B and rigidly fastened thereto.

D D represent two metal straps, each rigidly fastened to its respective end of the leaf or section C and provided with a depending

lug *d* at its rear end. Between each end of the leaf C and the inner face of the adjacent side frame A is left a space *D'* for the movement of the links.

G G represent two links, one located at each end of the leaf C. Passing through the middle of each of the links G is a pivot H, which enters the front end of its respective strap D and pivotally connects the link to the leaf C.

I I represent two quadrants, one connected to each of the links G G and provided with a series of teeth or notches *i*.

J J represent two levers located at the under side of the leaf C. The inner ends of the levers J J are pivoted together by a pivot J', while their outer ends are adapted to engage the notches of their respective quadrants I and form with the quadrant a lock to hold the links in any adjusted position. Passing through each lever J and entering the under side of the leaf C is a pivot K to pivotally connect the levers to the leaf C. The inner ends of the levers J J have a limited movement, sufficient only to allow of the outer ends of the levers being disengaged from the notches *i* of the quadrants, the play of the pivot J' being sufficient for this purpose.

L represents a spring one end of which is fastened to the under side of the leaf C, while the other end engages the levers J J and holds them normally in a position to engage the notches of the quadrants.

M M represent two links arranged one at each end of the leaf C and opposed to the lugs *d*. Passing through each of the links M and entering its respective lug *d* is a pivot O, by means of which the links M are pivotally connected to the leaf C.

P P and P' P' represent the remaining leaves or sections of the display table and case, each of which is substantially the same shape and size as the leaf C. Each end of each of the leaves P P' is bound by a strap Q, corresponding to the strap D, and each strap Q is provided with a depending lug R, corresponding to the lug *d*.

The links G G are pivotally connected to the front ends of the straps Q of the leaves P P, while the links M M are pivotally connected to the lugs R. By means of the links G G and M M the leaves or sections can be rig-

idly held in their proper relative positions to each other, and by means of the quadrant and lever the sections and links can be rigidly locked in their adjusted positions—that is to say, by releasing the levers J J from the notches *i* of the quadrants I the links can be moved into the horizontal position shown in Fig. 1 to bring all the leaves or sections into the same horizontal plane to form an ordinary table-top, or they can be moved into a vertical or oblique position, as shown in Fig. 2, to bring the leaves or sections into a succession of horizontal planes to form a display-case. The manner in which the leaves or sections are connected to the links enables the links to keep the leaves or sections continuously level or in a horizontal position when moving either into the position shown in Fig. 1 or into the position shown in Fig. 2.

By providing the straps with the lugs *d* and R and pivoting the links M to the lugs the links M can lie against the lower edge of the links G G when the leaves or sections are in the same horizontal plane, the links M being provided with notches *m* to clear the brackets B B and levers J J. The purpose of the links M when in this position is to brace the links G G and hold the sections rigid in their adjusted position.

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

1. A combined display table and case embracing in its construction a supporting base or stand, a leaf or section rigidly connected to the supporting base or stand, links pivotally connected to the ends of the rigid leaf or section, a series of movable leaves carried and adapted to be held horizontally in any adjusted position by the links, means for locking the links and leaves rigidly in their adjusted position, consisting of notched quad-

rants connected to the links, and spring-controlled levers pivotally connected to the under side of the rigid leaf and to each other, and adapted to engage the notches of the quadrants, substantially as specified.

2. A combined display table and case embracing in its construction a supporting base or stand, a series of leaves or sections, the middle one of which is rigidly connected to the supporting base or stand, each end of each leaf bound by a strap having a depending lug at its rear end, links pivotally connected to the front ends of the straps, and links pivotally connected to the lugs, a notched quadrant rigidly connected to each of the front links, spring-controlled locking-levers pivotally connected to each other and to the under side of the rigid leaf, to engage the notched quadrants, substantially as specified.

3. A combined display table and case embracing in its construction a supporting-stand, a stationary leaf rigidly connected to the supporting-stand, links pivotally connected to each end of the stationary leaf, a series of movable leaves connected to the links above and below the stationary leaf, and adapted to be held horizontal by the links in any adjusted position, a notched quadrant connected to one link at each end of the stationary leaf, and two spring-controlled levers pivoted to the under side of the stationary leaf, and at their inner ends pivoted to each other, the outer end of each lever adapted to engage its respective quadrant to hold the leaves to their adjusted positions, substantially as specified.

Toronto, Canada, January 6, A. D. 1899.

EMIL CARL BOECKH.

In presence of—

CHAS. H. RICHES,
M. A. WESTWOOD.