

J. MURPHY.

Improvement in Table-Leaf Connections.

No. 131,456.

Patented Sep. 17, 1872.

Fig. 1.

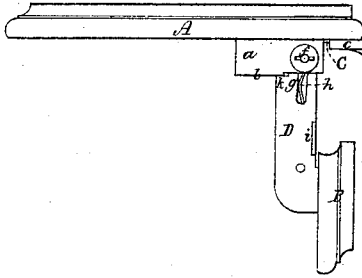


Fig. 2.

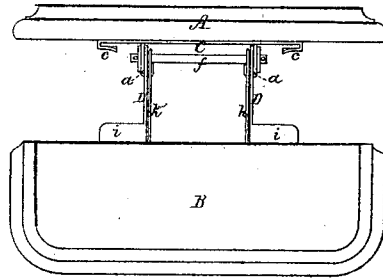


Fig. 3.

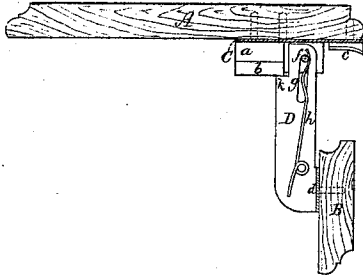


Fig. 6.

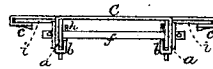


Fig. 4.

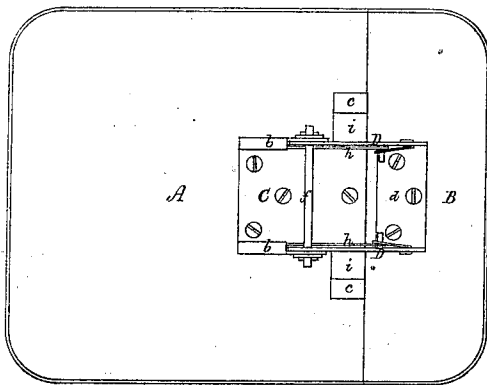
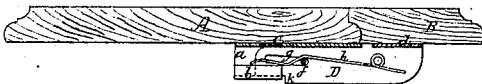


Fig. 5.



Witnesses.

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John Murphy.

by his attorney

R. H. Eddy.

UNITED STATES PATENT OFFICE.

JOHN MURPHY, OF ROSLINDALE, ASSIGNOR TO HIMSELF AND RICHARD HUGHES, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN TABLE-LEAF CONNECTIONS.

Specification forming part of Letters Patent No. 131,456, dated September 17, 1872.

To all whom it may concern:

Be it known that I, JOHN MURPHY, of Roslindale, of the county of Norfolk and State of Massachusetts, have invented a new and useful or Improved Table-Leaf Connection; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a front elevation of a table top and leaf with my invention applied to them. Fig. 2 is a side view, and Fig. 3 a longitudinal section of such, the table-leaf in such three figures being represented as down or in its lowest position with respect to the table-top. Fig. 4 is an under-side view, and Fig. 5 a longitudinal section of the parts as they appear when the leaf is raised into the plane of the table-top. Fig. 6 is a rear view of the connection.]

In such drawing, A denotes the table-top, and B the leaf. There is fixed to the lower surface of the top A a locking-plate, C, furnished with parallel flanges *a a* extending down from it at right angles to it, as shown. Such flanges are provided with locking-hooks *b b*, formed as shown in Figs. 4, 5, and 6. The plate C is also provided with auxiliary locking-hooks *c c* extended from it, and arranged as shown. Two plate-metal arms, D D, parallel to each other and connected by a plate, *d*, and formed in manner as shown, project from the lid B, all being as represented. These arms rest against and go between the flanges *a a*, and are connected thereto by a pivot-pin, *f*, going through and being fastened to the flanges *a a* and extending through slots *g g* arranged in the arms in manner as shown. A retaining-spring, *h*, formed and arranged with each of the said slots, as represented, is fixed to each of the arms D D, and bears against or upon the pivot-pin. Furthermore, the two arms are provided with projections *i i*, arranged as shown. The lid can be swung from

a horizontal into a vertical position, or vice versa, its arms turning upon the pivot-pin. After the lid may have been turned up to the plane of the table-top, such lid is to be pushed toward the said top so as to cause the arms to enter the main locking-hooks *b b*, and the projections *i i* to enter the auxiliary locking-hooks *c c*, all of which will serve to sustain the table-leaf in its position against the table-top, the latching-springs operating to prevent accidental displacement of the leaf or movement of it away from the top. Each of the arms D D is provided with a right-angular notch or shoulder, *k*, which, by abutting against the catch-hooks *b b* when the leaf is down, prevents it from swinging backward. The projections *i i* and the auxiliary locking-hooks *c c* serve to relieve the arms and the back-catch hooks and pivot-pin from undue strain or downward pressure of the leaf tending to bend or injure such parts.

I am aware that a table-leaf has been connected to the table by pendulous slotted arms, and provided with hooks to hook upon the said top; I therefore make no claim to such a mode of connection in the abstract.

What I claim as my invention is—

My improved connection or combination and arrangement, substantially as described, of the projections *i i* and the auxiliary locking-hooks *c c* with the main locking-hooks *b b*, the flanges *a a*, the pivot-pin *f*, and the slotted arms D D.

2. Also, the retaining-spring or springs *h*, arranged and combined with the slotted arms, the pivot, and the locking-hooks, all being applied to or for application to the top and leaf of a table, essentially in manner as specified and represented.

JOHN MURPHY.

Witnesses:

R. H. EDDY,
J. R. SNOW.