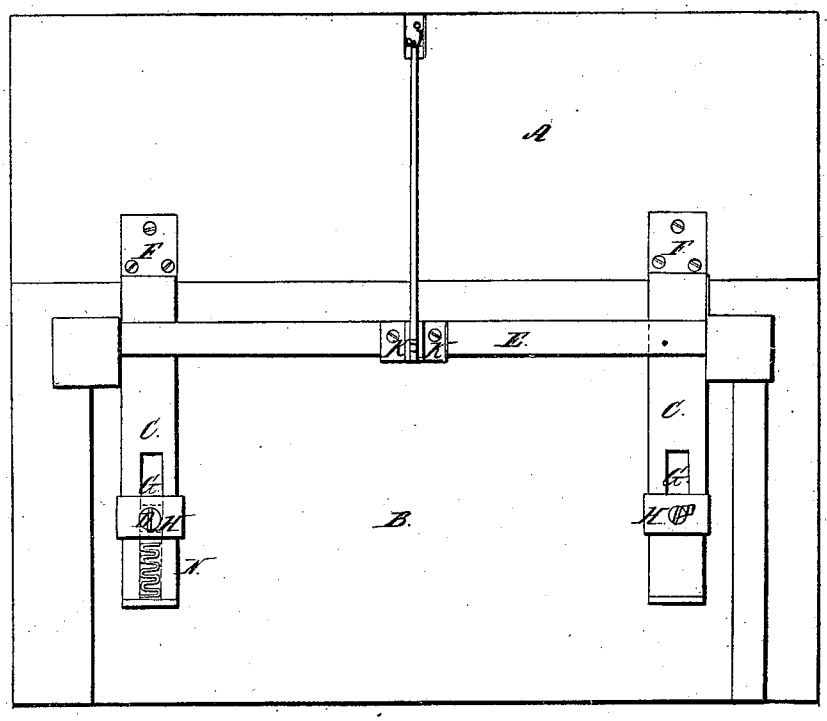
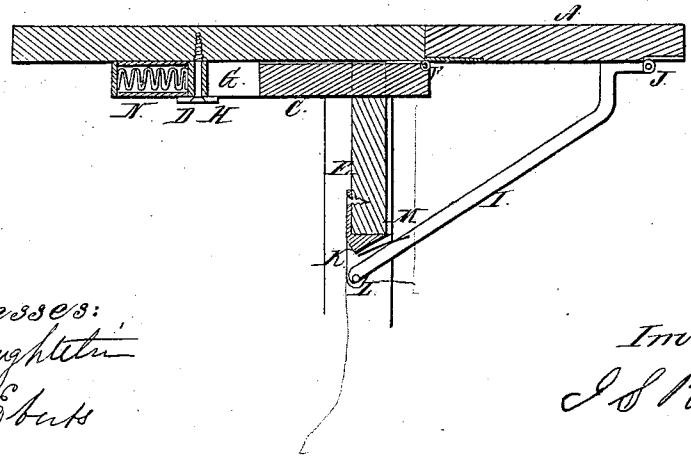
J. S. Rankin

Table Leaf Support,

No. 77,655, Patented May 5, 1868.





Witnesses:
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JOHN S. RANKIN, OF DETROIT, MICHIGAN.

Letters Patent No. 77,655, *dated May* 5, 1868.

IMPROVED FALL-LEAF TABLE.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, JOHN S. RANKIN, of Detroit, in the county of Wayne, and State of Michigan, have invented a new and useful Improvement in Fall-Leaf Tables; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

Figure 1 is a view of a section of a fall-leaf table, from the under side.

Figure 2 is a vertical sectional view of the same.

Like letters indicate like parts in each figure.

The object of this invention is to construct a table in such a manner that the drop-leaf may be raised and secured in position by a self-operating device provided for that purpose; also to dispense with the ordinary rule-joint, and secure an unbroken right angle of the leaf, when down, with the bed or top of the table.

The leaf A and top B are jointed by square or right-angle joints with their outer faces or surfaces. The leaf A is hinged to the outer ends of the slides C, which are supported under the top by the screws D, the outer end of said slides passing through the side-rail E, thereby supporting the drop-leaf by hinges F. The slides C are also provided with slots, G, through which pass the screws D, so that the movement of the slides may be had backward or forward. These screws D also pass through the plates H, the more perfectly to govern and support the inner ends of the slides. In the rear ends of these slots are inserted compressed spiral springs N, operating to draw back the slides when the leaf is down, so that the outer surface of the leaf will be square with the corner of the table.

To the under side, and near the centre of the outer edge of the leaf A, is attached the arm I, by a proper hinge, J, which arm, passing through the guides K, is secured in position, and supported by a pin, L, which passes through the lower ends of the guides K, which are attached to the side-rail E. The inner end of the arm I is provided with a notch in its lower edge, which, when the leaf is raised to a horizontal position, catches upon the pin L, and is secured in its position by the spring M. By elevating the inner end of this arm, the notch is disengaged from the pin, and allows the leaf to fall, when it is drawn back, as heretofore described, by the operation of the springs and slides already mentioned.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The slides C, in connection with the screws D, the plates H, the slots G, and the hinges F, and the spiral springs N, when operating substantially as and for the purposes described.

2. The combination of the above-named parts with the arm I, hinge J, guide K, pin L, spring M, leaf A, top B, and side-rail E, when arranged and operating substantially as and for the purposes herein set forth.

J. S. RANKIN.

Witnesses:

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