(No Model.)

O. COLVIN.

TABLE LEAF SUPPORT.

No. 359,432. Patented Mar. 15, 1887.

Fig. 1.

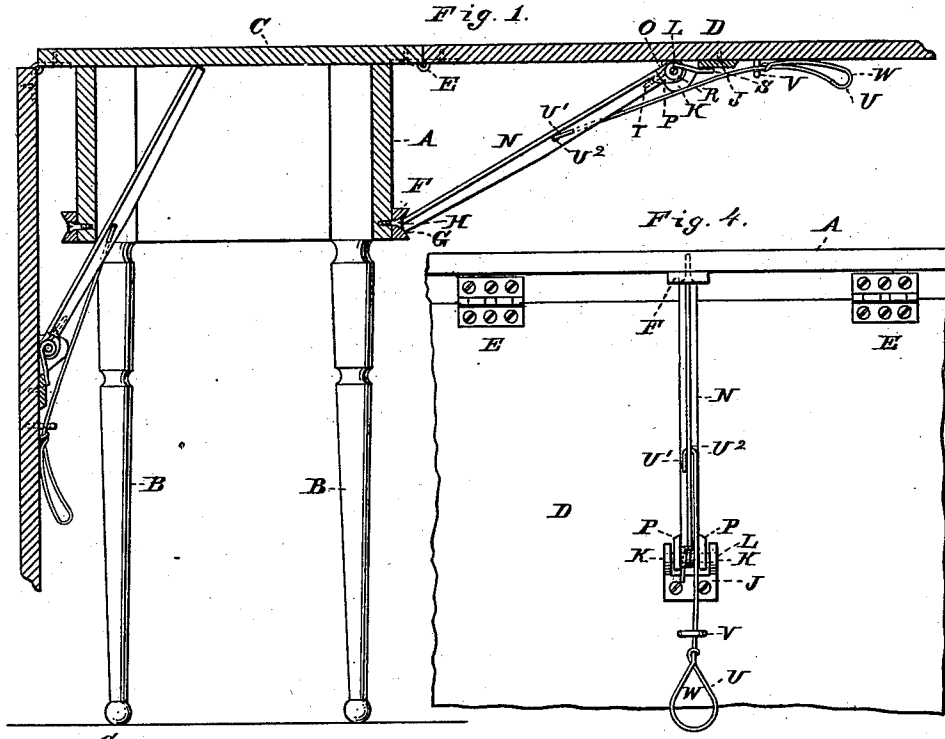


Fig. 4.

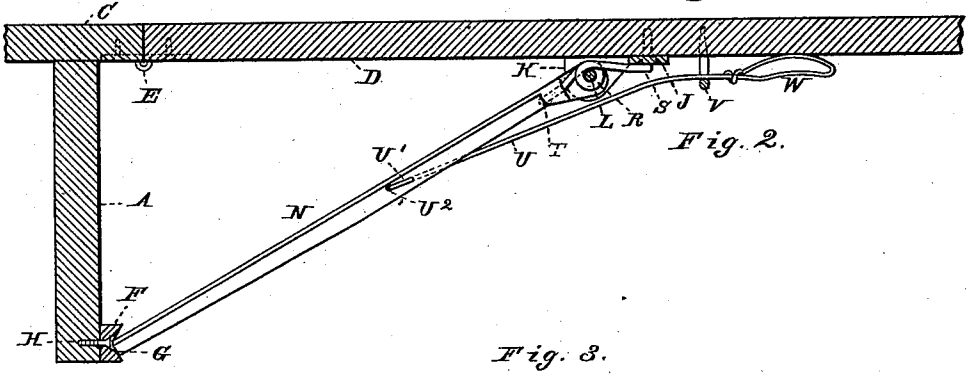
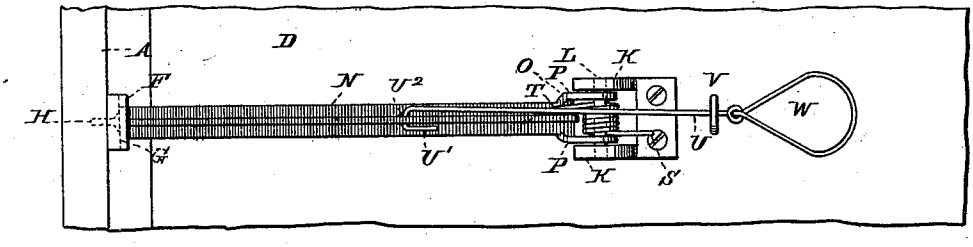


Fig. 2.

Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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TABLE-LEAF SUPPORT.

SPECIFICATION forming part of Letters Patent No. 359,432, dated March 15, 1887.

Application filed February 20, 1886. Renewed January 15, 1887. Serial No. 224,479. (No model.)

To all whom it may concern:

Be it known that I, OSCAR COLVIN, a citizen of the United States, residing at Buchanan, in the county of Berrien and State of Michigan, have invented certain new and useful Improvements in Table-Leaf Supports; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a vertical section through a table with the invention applied. Fig. 2 is a similar view showing only a portion of the table. Fig. 3 is a bottom view. Fig. 4 is also a bottom view, and shows the position of the invention between the two hinges.

My invention relates to table-leaf supports; and it consists in the construction and novel combination of parts, as hereinafter set forth and claimed.

Referring by letter to the accompanying drawings, A designates the table-rails, B the table-legs which support the table-rails, and C is the table-top.

D designates a table-leaf, which is connected to the table-top by hinges E E, let into the under faces of the table-leaf and table-top at their meeting edge, and secured in place by wood-screws, in the manner commonly practiced for securing hinges in place. At its lower edge, at about the middle of its length, and upon its outer face, each side rail, A, of the table-frame is provided with a horizontally-grooved metal stop, F, the groove G being V-shaped in cross-section, the stop F being secured to the table-rail by a single screw, H, passed through the stop into the table-rails.

At a short distance from the outer or lower edge of the table-leaf, and to the under face thereof, I secure a casting, J, having two downwardly or inwardly projecting lugs, K K, which form the bearings for a short rigid shaft, L. Between these lugs K K the forked or bifurcated outer end of the metal supporting-arm N is hinged by passing the short rigid shaft L through eyes O in the ends of the arms P P. Between the arms P P of the metal supporting-arm N the short shaft L is encircled by a coil-spring, R, having projecting end arms, S T, the arm S bearing upon the base of the casting J and the arm T bearing against the body portion of the fork at the upper end of the supporting-arm N. This spring R operates to normally press the supporting-arm N inwardly and upwardly.

A draw-rod, U, of wire, slightly curved to accommodate it to the location in which it is used, is hooked at its inner end, U′, into a hole, U^2, in the supporting-arm N, and passes through a guide or staple, V, in the under face of the table-leaf a short distance from the casting J, and is provided at its outer end with a finger-loop, W, by which the rod U may be drawn upon to release the supporting-arm from the groove G in the metal stop F.

This table-leaf support possesses several advantages over those commonly used. It is simple, cheap, and durable. It can be let down as easily as it can be raised. It steadies the leaf when down, and prevents it from swinging loosely against the table-legs when moving the table. It is easily operated, and is strictly positive in its action. It cannot be dislocated by accident, and it holds the leaf exactly as high as it need be raised to allow the support to catch, and prevents the leaf from drooping, and avoids straining the hinges of the leaf to get it high enough after settling, as some do.

I am aware that it is not new to support a table-leaf by means of a spring-pressed arm.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with the table-rail provided with the grooved stop F and the table-top, of the hinged leaf provided with the casting J, having lugs K K, shaft L, and coil-spring R, with arms S T, the supporting-arm, and draw-rod, substantially as specified.

2. The combination, with a table-frame and a grooved strip secured thereto, as set forth, of a table-leaf, an arm pivoted to the under side of the leaf, a spring holding the arm in engagement with the strip, and a pull-rod secured to the arm, whereby the same may be disengaged from the strip, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

OSCAR COLVIN.

Witnesses:
J. J. VAN RIPER,
A. A. WORTHINGTON.