Saylor & Anderson,

Table Leaf Support.

No. 113,452. Patented Apr. 4. 1871.

FIG. I.

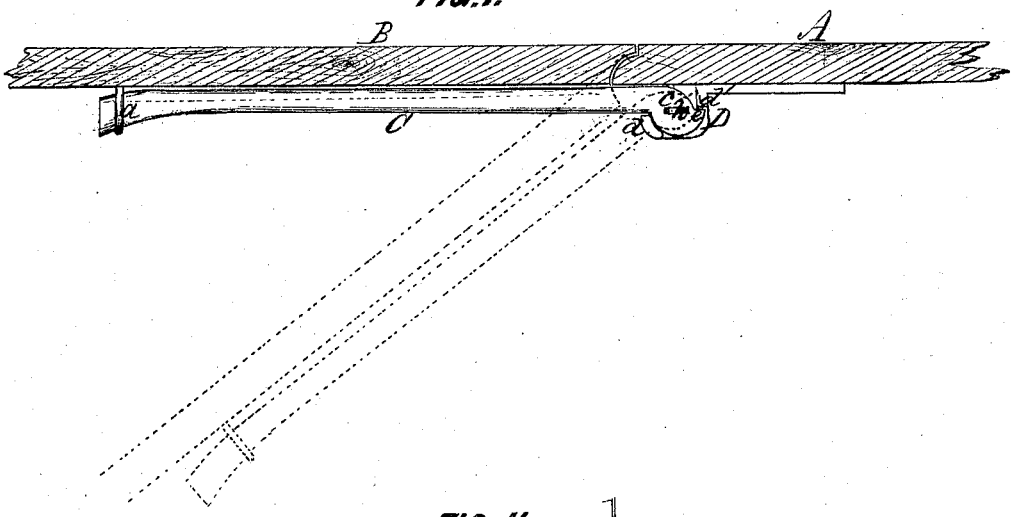


FIG. II.

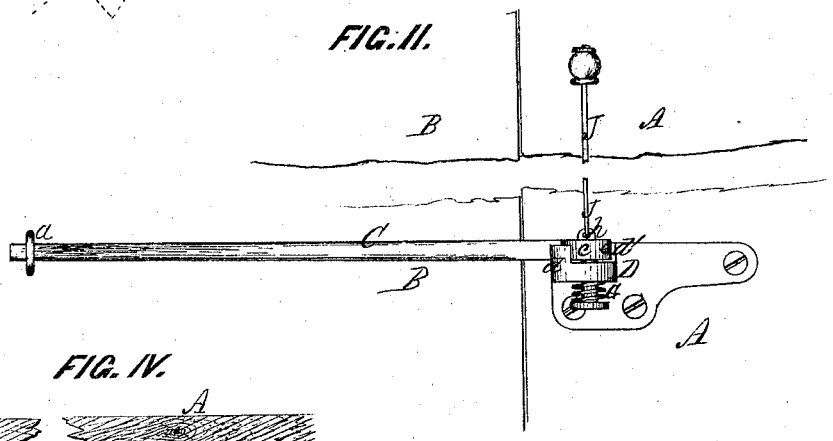


FIG. IV.

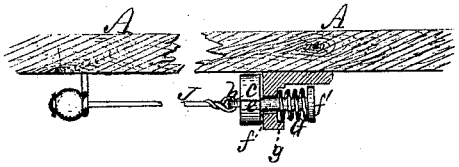
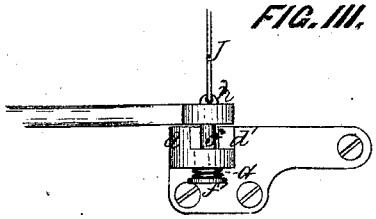


FIG. III.



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WITNESSES.

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DANIEL SAYLOR AND LAURITZ ANDERSON, OF CHICAGO, ILLINOIS.

Letters Patent No. 113,452, dated April 4, 1871.

IMPROVEMENT IN TABLE-LEAF SUPPORTS.

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

To all whom it may concern:

Be it known that we, DANIEL SAYLOR and LAURITZ ANDERSON, of the city of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Table-Leaf Supports, of which the following is a specification.

Nature of the Invention.

The nature of our invention consists in forming a sliding arm or brace, controlled in its action by a spring which draws the bolt-head of the brace into a suitable socket at the proper time for locking and supporting the leaf, and still permits the bolt-head to be withdrawn so that the leaf may descend.

General Description.

In the drawing—

Figure 1 is a sectional elevation of our improvement as applied to a table.

Figure 2 a bottom view of the same, the parts being represented as locked together.

Figure 3, a similar view with the bolt-head withdrawn from the socket.

Figure 4, a view in cross-section, showing the arrangement and construction of the spring and bolt-head.

A represents a table-top having a leaf, B, hinged to it in the ordinary manner.

C is the brace or long arm of the lever-support, attached to the under side of the table, and held loosely at one end by the loop *a*, and at the other end it is provided with a semicircular bolt-head, *c*, acting as the short arm of the lever.

This bolt-head intermatches with a socket-piece, D, secured to the under side of the table-top, and having two lugs or bearings, *d d'*, which receive and sustain the pressure of the leaf through the long arm of lever C, *d* acting as the fulcrum, and *d'* furnishing a bearing to the projection *e* on the bolt-head.

The bolt-head has a pivot or guide-bar projecting at right angles from its inner side, through the hole *f*, fig. 4, in the socket-piece D, and having an enlarged head, *f'*, which forms a bearing, upon which the spring G acts to draw the bolt-head within the socket-piece.

The opposite end of the spring G rests in a depression, *g*, of the socket-piece D to retain it in position, as shown in fig. 4.

A small cord or wire, J, is attached to the eye *h* of the bolt-head, and extends thence to a convenient point at the outer edge of the table, by which means the bolt-head may be readily withdrawn to allow the leaf to descend.

The operation of the invention is as follows:

When it is desired to lower the leaf the bolt-head *c* of the brace C is disengaged from the socket, against the resistance of the spring G, as shown in fig. 3, by means of the wire or cord J. All restraint on the leaf being thus removed, it is at liberty to descend.

In again raising the leaf the socket-piece is presented to the bolt-head at the proper angle, when the latter is again drawn into the former by the spring, and the lock of the parts, as before described, is complete.

The advantages of this invention are important. It requires no reaching beneath the table to adjust it; its action of locking when the leaf is raised is automatic; and in lowering the leaf the cord or wire at the outer edge of the table has only to be slightly pulled to withdraw the bolt-head from its lock in the socket.

The compression of the spring, rather than its distension is to be noted, this being the only part liable to deteriorate in use.

It can be manufactured at small cost, and being made of metal, is very durable. The parts being simple and made of metal, are not liable to shrink, swell, or otherwise get out of order.

The ease with which it may be attached to all ordinary tables is also a feature of importance, it being only necessary to insert three screws in the socket-piece, the loop at the outer end of the brace, and another small loop or eye to support the detaching-cord or wire at the edge of the table.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The combination of the lever-arm or brace C with the semicircular bolt-head *c*, which interlocks with the socket-piece D, for the purpose described.

2. The socket-piece D, for receiving the bolt-head *c* of brace C, and having lugs or bearings *d d'*, in combination with the spring G, as described.

In witness whereof we have hereunto signed our names in the presence of two subscribing witnesses.

DANIEL SAYLOR.
LAURITZ ANDERSON.

Witnesses:
J. B. GREIFENHAGEN,
C. C. PECK.