

E. E. HENDRICK.

Improvement in Lock Hinges for Tables, &c.

No. 124,438.

Patented March 12, 1872.

Fig. 1.

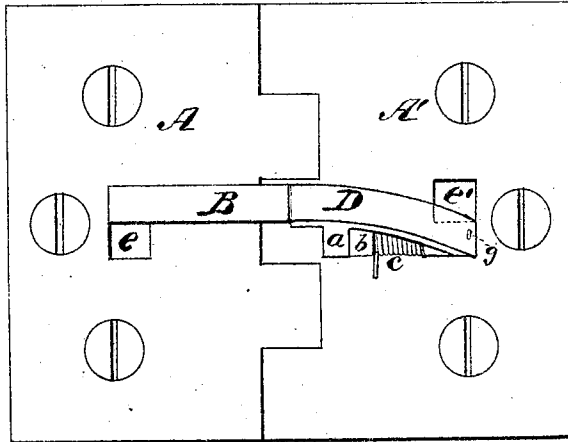


Fig. 2.

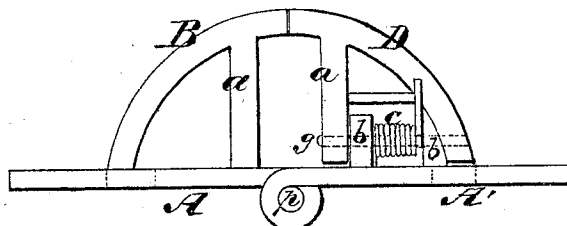
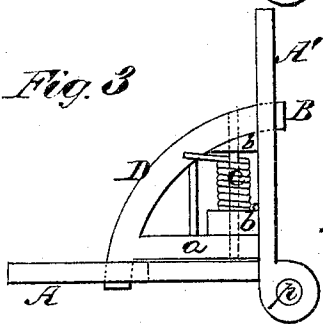


Fig. 3.



Witnesses.
R. V. Campbell
J. N. Campbell.

Inventor
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Fig. 4

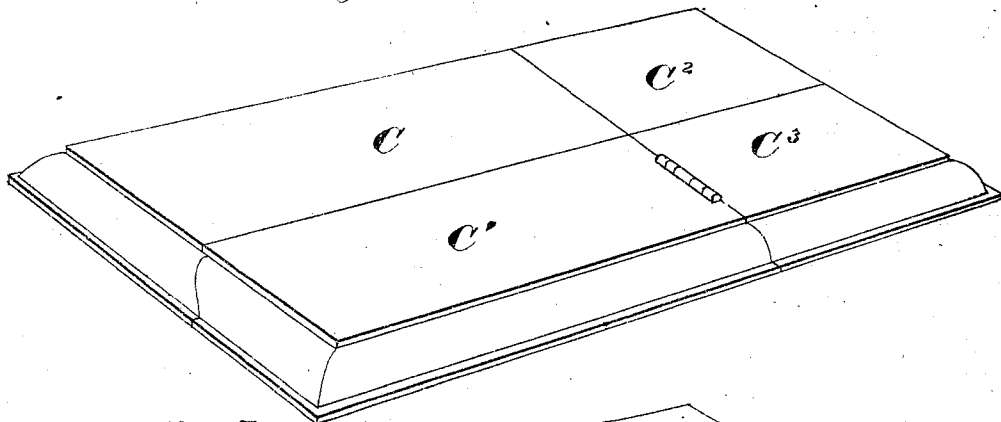
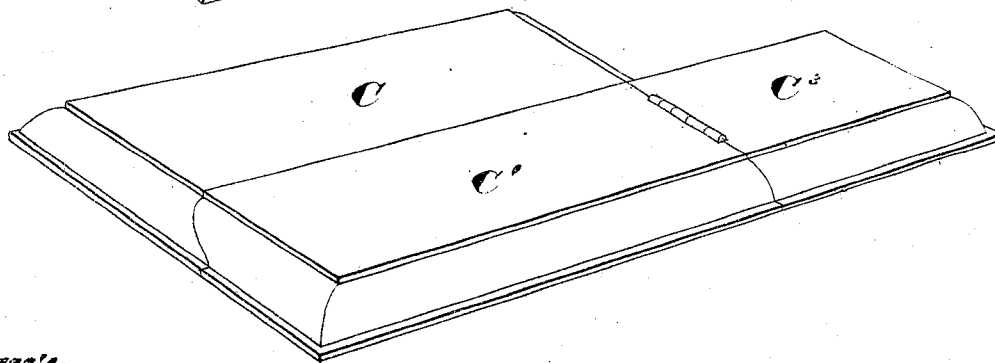
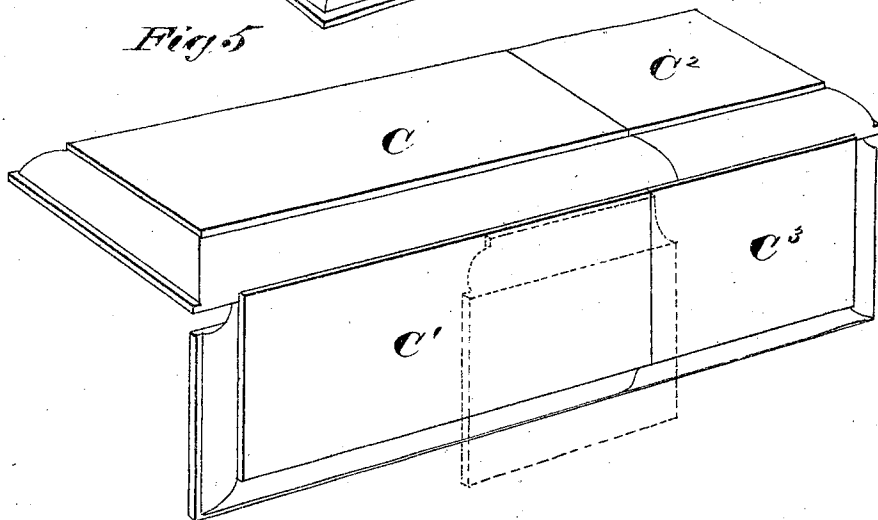


Fig. 5



Witnesses.
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UNITED STATES PATENT OFFICE.

ELI E. HENDRICK, OF CARBONDALE, ASSIGNOR TO HIMSELF AND WALTER W. WINTON, OF SCRANTON, PENNSYLVANIA.

IMPROVEMENT IN LOCK-HINGES FOR TABLES, &c.

Specification forming part of Letters Patent No. 124,438, dated March 12, 1872.

To all whom it may concern:

Be it known that I, ELI E. HENDRICK, of Carbondale, in the county of Luzerne and State of Pennsylvania, have invented a Lock-Hinge for Extension-Tables; and I do hereby declare that the following is a full, clear and exact description thereof, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1, Plate 1, is a bottom view of the hinge with the leaves locked open. Fig. 2, Plate 1, is an edge view of the same. Fig. 3, Plate 1, shows the leaves folded. Figs. 4, 5, and 6, Plate 2, are perspective views of an extension table having sectional leaves.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to hinges which are especially adapted for the folding leaves of extension tables. My object is to provide a hinge with segmental self-locking braces, which will support the leaf of a table in an elevated position, and allow the leaf to be conveniently released from such position.

The following description will enable others skilled in the art to understand my invention.

In the accompanying drawing, A A' represent the leaves of the hinge, the ends of which are connected together by means of a pintle, *p*, in the usual well-known manner. To the bottom of one leaf, A, and at the middle of the width thereof, a segment brace, B, is rigidly secured in any suitable manner, and strengthened by a post, *a'*. This segment is about the fourth of a circle, and when the leaves A A' are fully open its abutting end is in a perpendicular plane intersecting the axis of the pintle *p*. To the other leaf A' a segment, D, is applied, by means of a pivot-pin, *g*, passed through the end of a post, *a*, and end of the segment D, and also through studs *b b*, which are fast on the leaf A'. Between the two fast studs *b b* a spring, *c*, is coiled, one end of which bears against the segment and the other end against the leaf A. The studs *b b* of segment D are arranged in a plane to one side of the

segment B, so that when the hinge is folded, as shown in Fig. 3, the two segments lie side by side. When the hinge is open, as in Figs. 1 and 2, the two abutting ends of the segments come together, and the segment D is slightly inclined, in which position its lower ends bear on the leaf A', and resist the action of the spring *c*. If desirable, small toes may be formed on one side of each one of the lower ends of the segment D, which will serve as stops to hold it in a locking position against the action of spring *c*.

It will be seen that when the leaves of the hinge are fully opened the ends of the segments will come together and lock the leaves in such position. At the same time the segments will serve as braces to securely hold the leaves. By simply moving the segment D to one side the leaves may be adjusted to the angle shown by Fig. 3, when the abutting ends of the segments will be received into their respective holes *e e'*, made through the leaves A A', and shown in Fig. 1.

On Plate 2 I have represented a table which is adapted for sewing-machines or other purposes, and which consists of a permanent portion, C, and three folding leaves, C¹ C² C³. The leaf C¹ allows the table to be extended in width; the leaf C² allows the portion C to be extended in length; and the leaf C³ allows the leaf C¹ to be extended in length. In this way a table can be extended to double the area of the permanent portion.

To such a table my improved hinge is especially adapted, although I do not confine its use thereto.

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

The self-locking pivoted brace D, in combination with the permanent abutting brace B and the leaves of a hinge, substantially as described.

ELI E. HENDRICK.

Witnesses:

J. D. FULLER,
SAML. NEWHOUSE.