

D. A. GARVER.

Improvement in Hinges for Table-Leaves.

No. 125,281.

Patented April 2, 1872.

Fig. 1.

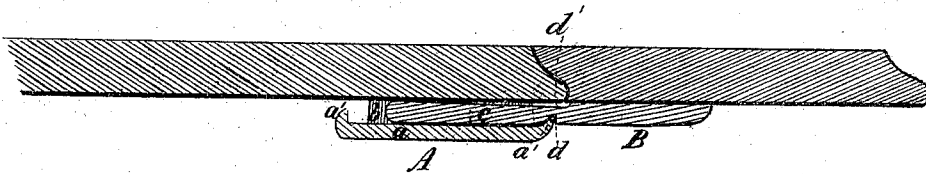


Fig. 2.

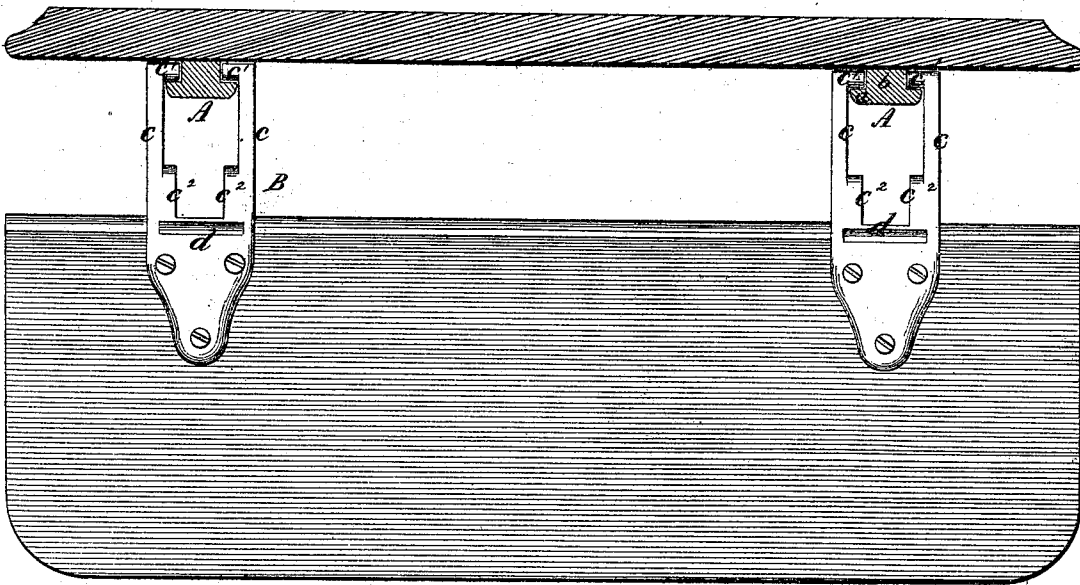
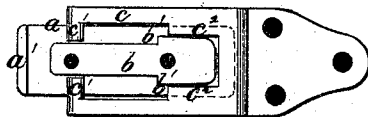


Fig. 3.



Witnesses.

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IMPROVEMENT IN HINGES FOR TABLE-LEAVES.

Specification forming part of Letters Patent No. 125,281, dated April 2, 1872.

Specification describing a certain Improvement in Hinges for Folding-Tables, invented by DAVID A. GARVER, residing at Bryan, in the county of Williams and State of Ohio.

This invention relates to that class of hinges for folding-tables which are adapted to support the leaf in a horizontal position without the assistance of the customary fly-rail; and my improvement consists in so constructing and connecting the leaves or plates of the hinge that the one fastened to the folding-leaf may slide endwise upon the one secured to the table-top, and held extended in a horizontal position by the latter, aided by the table-top, until it is drawn out nearly its whole length, when it is permitted to turn upon it to swing the leaf down. The peculiarities of construction will be more fully explained hereinafter.

Figure 1 is a section of a portion of a folding-table, showing my improved hinge holding the leaf in a horizontal position. Fig. 2 is a section at right angles to the one drawn in Fig. 1, showing the under side of the leaf, which is suspended in a vertical position. Fig. 3 is a top view of the hinge detached.

The same letters of reference are employed in all the figures in the designation of identical parts.

The part A of the hinge, which is secured under the ledge of the table, consists of a rectangular base-plate, *a*, having upturned lips *a'* at the ends, and a boss, *b*, which is formed upon the upper side of the base-plate. This boss is somewhat shorter than the base-plate, and its forward end is enlarged or widened, forming a shoulder, *b'*, upon each side of it, as best seen in Fig. 3. The part B of the hinge is secured under the leaf of the table, from which it projects the proper distance to be interlocked with the part A. Its projecting portion is bifurcated, each branch or prong *c* of which terminates in an inwardly-turned short cylindrical stud, *c'*, and is also constructed with a projecting rib, *c''*, upon its inner side, running parallel with it for some distance from the junction, as shown in Fig. 3. The thickness of the part B is about equal to the height of the boss *b* upon the part A, and the relative construction of the former is such that the base-plate of the latter can enter between the forks *c c*, while the narrow portion of the boss *b* is embraced and fitted be-

tween the studs *c' c'*, and the wider part of such boss is adapted to enter the space between the ribs *c'' c''* on the forks. The position of the parts A and B, illustrated in Fig. 3, is that assumed in holding the leaf horizontally extended, the ribs *c'' c''* resting upon the top of the base-plate *a*, upon the sides of the widest part of the boss *b*, and forming, in connection with the pivotal studs *c' c'*, a firm support for the leaf. To prevent the accidental endwise movement of the parts of the hinge upon each other—which if extended far enough would cause the turning down of the leaf—the lip *a'* upon the forward end of part A, projecting above the upper surface of the base-plate *a*, is caused to enter a corresponding groove, *d*, in the under side of the part B, as best seen in Fig. 1, the nearer sides of said lip and groove being somewhat inclined so as to cause the leaf to be drawn up against the ledge of the table by the action of these inclined surfaces upon each other. The projecting portion of the part B of the hinge has an inclined recess, *d'*, formed in its upper surface, permitting it to be turned up sufficiently to detach it from the lip *a'* when the leaf is to be turned down, to accomplish which the leaf is then drawn out horizontally until the studs *c' c'* come in contact with the shoulders *b' b'* on the boss *b*. When this occurs the ribs *c'' c''* will be beyond the forward end of the base-plate *a*, so as to allow the latter to pass through the opening between the forks *c c*. The leaf being then turned down, it may be also pushed back out of the way as far as the lip on the inner end of the base-plate *a* will permit the studs *c' c'* to travel on it.

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

The herein-described hinge for folding-tables, composed of the part A, made up of the base-plate *a*, *a' a'*, and boss *b*, *b' b'*, and the part B, the projecting end of which consists of the branches *c c*, *c' c'*, *c'' c''*, and is constructed with the groove *d* and inclined recess *d'*, all substantially as and for the purpose specified.

In testimony that I claim the foregoing as my invention, I have hereunto subscribed my name in the presence of two attesting witnesses.

Witnesses: DAVID A. GARVER.
THOMAS MORRISON,
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