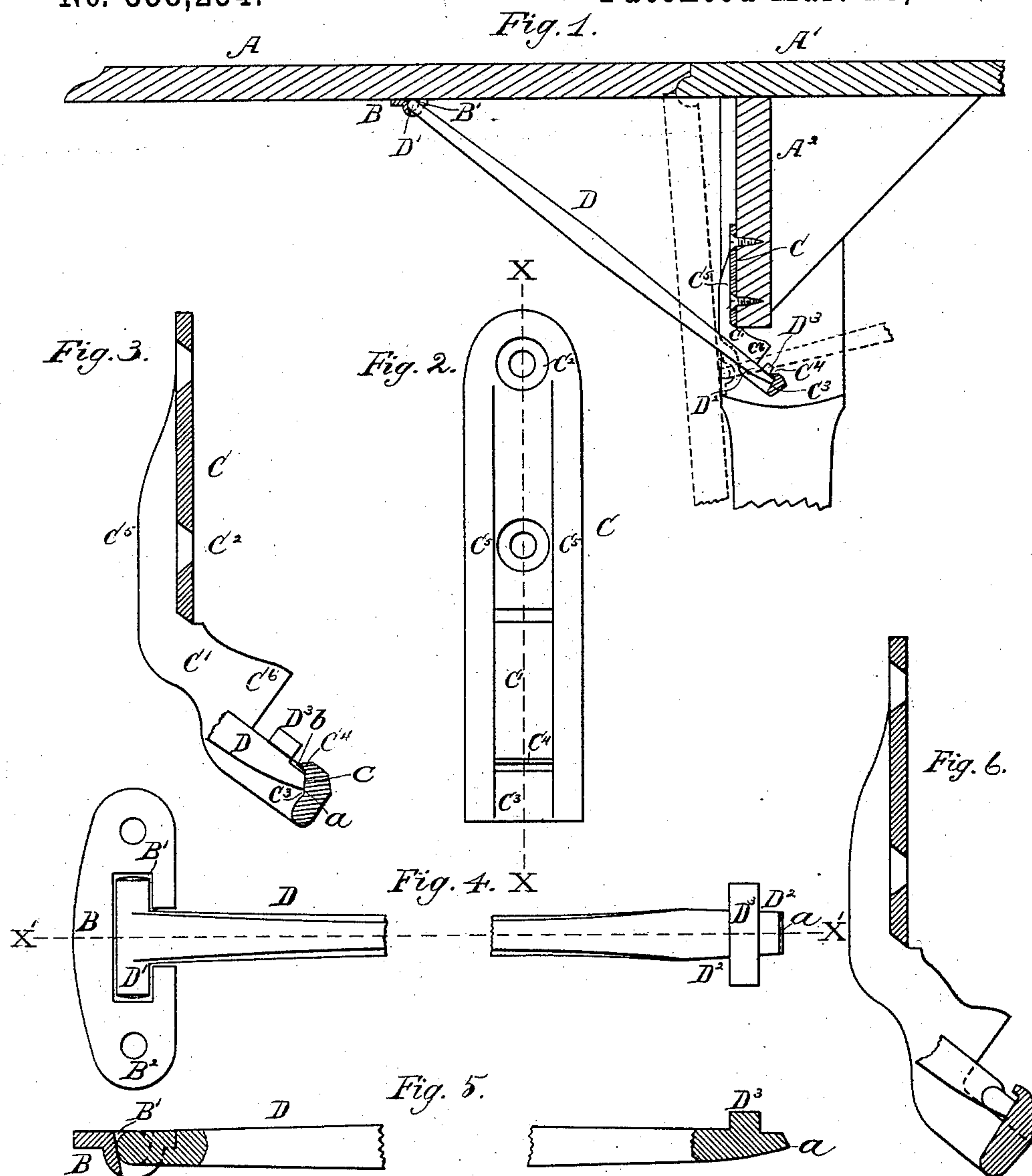


(No Model.)

F. C. ERLANDER.
TABLE LEAF SUPPORT.

No. 338,254.

Patented Mar. 23, 1886.



Witnesses:

Frank H. Brown.

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UNITED STATES PATENT OFFICE.

FRANK C. ERLANDER, OF ROCKFORD, ILLINOIS.

TABLE-LEAF SUPPORT.

SPECIFICATION forming part of Letters Patent No. 338,254, dated March 23, 1886.

Application filed October 10, 1885. Serial No. 179,516. (No model.)

To all whom it may concern:

Be it known that I, FRANK C. ERLANDER, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Table-Leaf Supports, of which the following is a specification.

The object of this invention is to provide table-manufacturers with a table-leaf support combining the advantages of simplicity of construction, automatic action, great strength, and slight expense.

This invention consists in producing a table-leaf support that will automatically assume the necessary position for supporting a table-leaf whenever the leaf of a table to which it is attached is raised to a horizontal position.

This invention further consists in so constructing a table-leaf support that it cannot be accidentally dislodged, thereby allowing its leaf to drop down.

In the accompanying drawings, which form a part of this specification, Figure 1 represents a view of a longitudinal central vertical section of a part of the upper portion of a table provided with my improved table-leaf support. Fig. 2 represents a front view of a longitudinal central vertical section of Fig. 2 through the dotted line X X. Fig. 4 represents a view of a supporting-arm and hinge-plate attachment. Fig. 5 represents a view of a longitudinal central partial section of Fig. 4, through the dotted line X X. Fig. 6 represents a view of a modification of Fig. 3.

Similar letters refer to similar parts throughout the several views.

A A' A² represent, respectively, a table-leaf, table-top, and rail supporting the latter.

B represents a hinge-plate provided with a semicylindrical recess, B', and the screw-holes B².

C represents a guide-plate having the longitudinal slot C' and screw-holes C².

C³ represents a rest.

C⁴ represents a safety projection.

C⁵ represents strengthening-ribs.

C⁶ represents oblique upward-projecting shoulders.

D represents a supporting-arm, the central portion whereof is increased in diameter for the purpose of obtaining greater strength.

D' represents a cylindrical cross-piece, which fits into the recess B' of the hinge-plate B, forming a hinge-joint therewith.

D² represents a portion of the lower end of the supporting-arm D, double-tapered to prevent the same from colliding with the sides of the slot C' of the guide-plate C.

D³ represents a cross-piece of the supporting-arm D, which serves to retain the lower end of the latter in the slot C' of the guide-plate C, while allowing it free longitudinal motion. Upon raising the table-leaf A the cross-piece D³, striking against the shoulders C⁶, prevents the leaf from being elevated too high, which would result in injury to or in the breaking of the hinges securing the leaf to the table. The table-leaf A being released, the cross-piece D³, resting upon the upper side of the guide-plate C, guides the lower end of the supporting-arm D downward underneath the safety projection C⁴ and against the rest C³.

I claim—

1. In a table-leaf support, the safety projection C⁴, substantially as described, and for the purpose set forth.

2. The combination, with the guide-plate C, having the longitudinal slot C' and provided with the rest C³, safety projection C⁴, oblique shoulders C⁶, and strengthening-ribs C⁵, of the supporting-arm D, furnished with the cross-pieces D' D³, substantially as set forth.

3. The combination, with the hinge-plate B, of the supporting-arm D and guide-plate C, substantially as described, and for the purpose specified.

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Witnesses:

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P. ERLANDER.