No. 753,710. PATENTED MAR. 1, 1904.

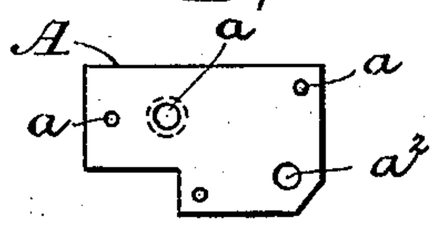
H. F. KEIL.

HINGE FOR CARD TABLES.

APPLICATION FILED JUNE 18, 1903.

NO MODEL.

Fig. 1.



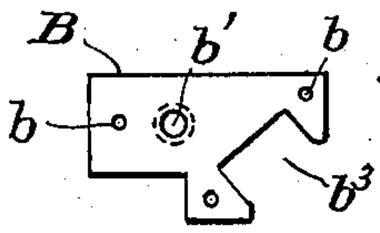
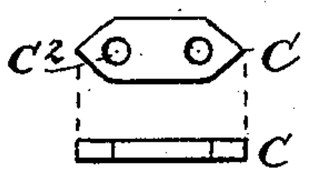


Fig. 2.

Fig. 4.



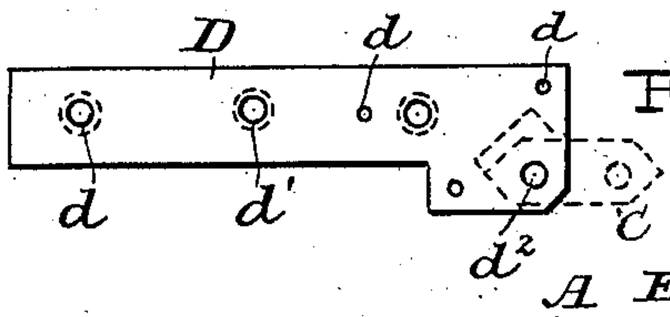


Fig. 3.

Fig. 5.

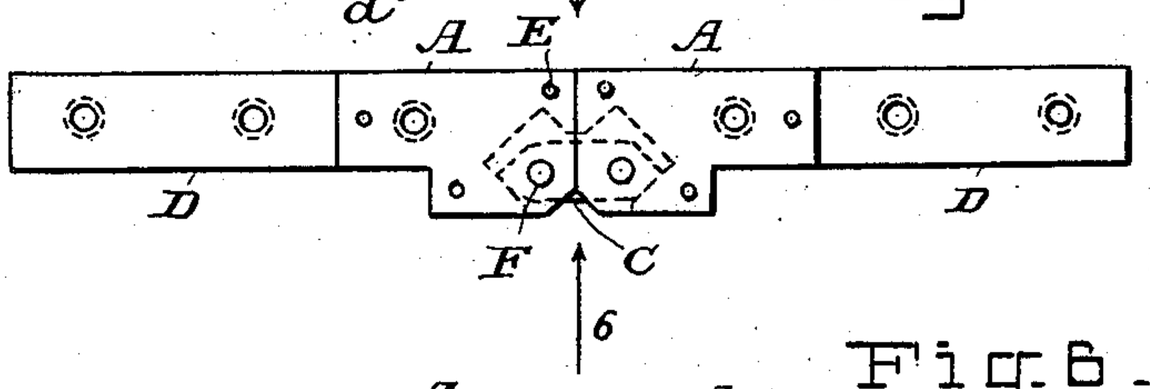


Fig. 6.

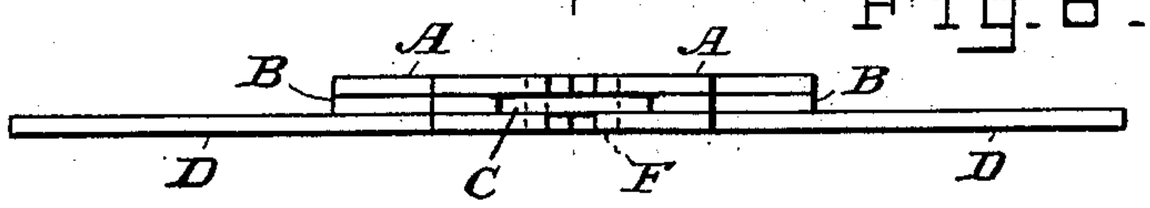


Fig. 7.

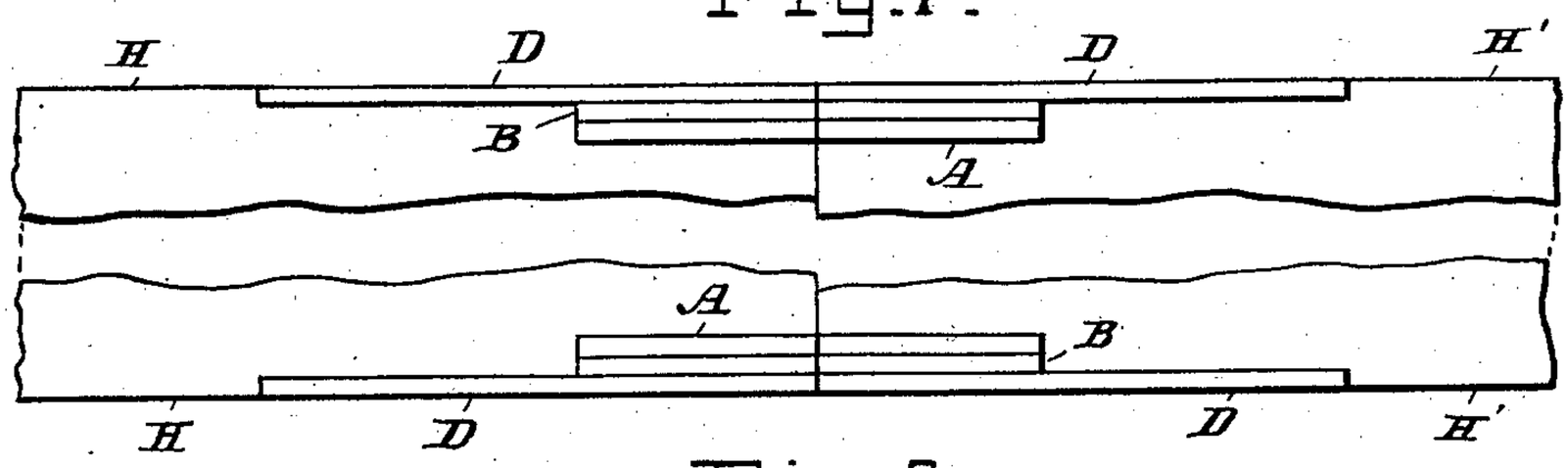
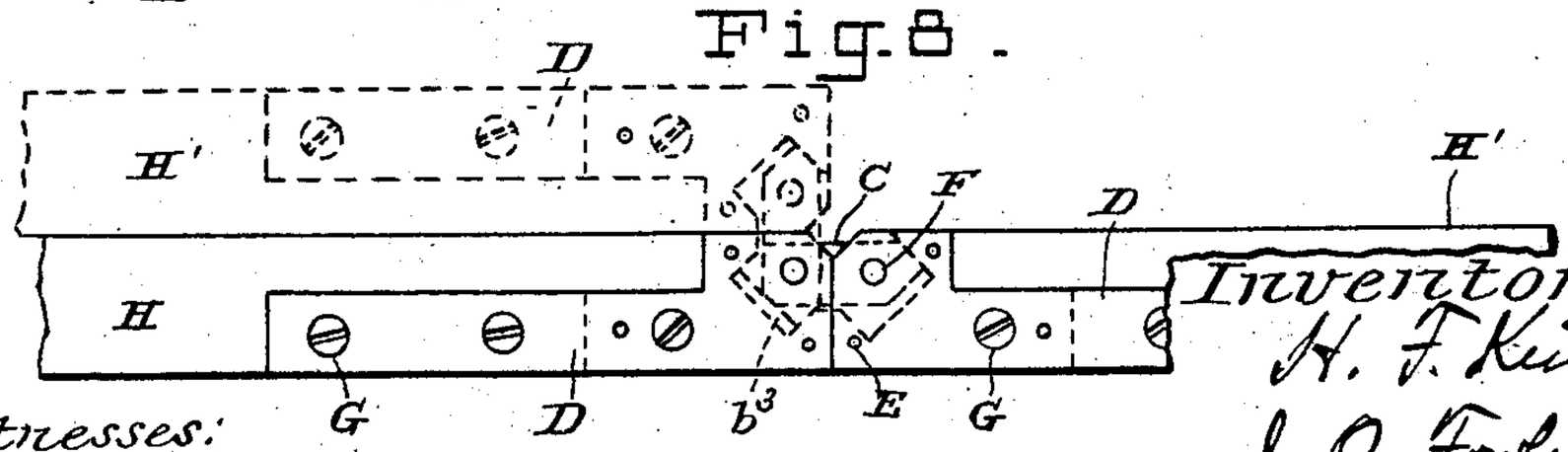


Fig. 8.



Witnesses:
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No. 753,710. Patented March 1, 1904.

UNITED STATES PATENT OFFICE.

HENRY FRANCIS KEIL, OF BRONXVILLE, NEW YORK.

HINGE FOR CARD-TABLES.

SPECIFICATION forming part of Letters Patent No. 753,710, dated March 1, 1904.

Application filed June 18, 1903. Serial No. 162,034. (No model.)

To all whom it may concern:

Be it known that I, HENRY FRANCIS KEIL, a citizen of the United States of America, and a resident of Bronxville, in the county of Westchester and State of New York, have invented a certain new and useful Hinge for Card-Tables, &c., of which the following is a specification.

My invention relates to movable joints or devices for joining or articulating a lid, &c., to its support, and in particular to a hinge the leaves of which are composed of laminated plates; and it has for its object the provision of an article of the kind set forth simple in construction, inexpensive to manufacture, and which is efficient in practical use.

To attain the desired end, this my invention consists in the construction, arrangement, and operation of parts herein set forth.

In order to enable my invention to be fully understood, I will proceed to explain the same by reference to the drawings which accompany and form a part of this specification, in which—

Figures 1, 2, and 3 represent plan views of the several plates of one of the leaves of my hinge. Fig. 4 is a plan view of the link or bond therefor. Fig. 5 is a plan view, and Fig. 6 an elevation, of a hinge constructed according to my invention. Fig. 7 is a plan view of a table and lid or cover provided with a pair of my hinges, and Fig. 8 is a side elevation of the same.

Like letters of reference indicate like parts in all the views.

Referring particularly to the drawings, A denotes one of the outer plates of one of the leaves of my hinge, ordinarily constructed of three plates, and consists of a plate of wrought metal or other material preferably provided with rivet-orifices a, a screw-hole a', and a pintle-orifice a^2.

B is an intermediate plate, which is ordinarily provided with rivet-orifices b and a screw-hole b' and a recessed portion b^3.

D constitutes, in the present instance, the other outer plate of my hinge-leaf, preferably provided with rivet-orifices d, screw-holes d', and a pintle-orifice d^2.

C denotes the bond or link, which is ordinarily provided with pintle-orifices C^2.

The plates A, B, and D are preferably secured together by rivets E, and each leaf of my hinge is ordinarily connected to the other one by means of the link C, which works in the recesses b^3 and is supported in a pivotal relation to said leaves by means of the pintle or pin F, rigidly fastened to the plates A and D.

The various plates constituting my hinge may be stamped up with all their several orifices, &c., at one operation, and the parts thereof, together with the link C, may be quickly assembled and riveted together, thereby securing economy of construction. It will be observed that my hinge is made comparatively thick at the central portion thereof to give great strength and is extended so as to form a long thin plate at the ends thereof in order to rigidly hold the same in proper position.

Obviously my invention may be embodied in other forms of mechanism than that which I have described and is applicable to and may be advantageously employed in many kinds of articles, and I do not, therefore, wish to limit myself to the use of my device in connection with a hinge for card-tables alone.

In operation a pair of my hinges may be mortised in the upper side edges of a table and cover or lid therefor and held in proper position by screws G, as shown in Figs. 7 and 8, whereupon the cover H′ may be folded over upon the table H or held in a horizontal position in the same plane as the table-top, as desired.

It will be observed that the outer beveled edges C^3 of the link C rest against the opposite side edges of the recesses b^3 when my hinge is in either an open or closed relation, as shown in Fig. 8, thus materially strengthening the same, and thus providing additional engaging parts besides the portions or bearing-faces of the hinge which engage each other when the two leaves thereof are in either an open or outward or closed or inward relation and prevent farther movement of the hinge in said inward or outward directions.

As it is evident that many changes in the

construction, form, proportion, and relative arrangement of parts might be resorted to without departing from the spirit and scope of my invention, I would have it understood that I do not restrict myself to the particular construction and arrangement of parts shown and described, but that such changes and equivalents may be substituted therefor, and that

What I claim as my invention is—

1. A hinge comprising in its construction two leaves each consisting of three plates riveted together, the central plate of each leaf being cut away to form an interior recess, and a link pivotally connected to said leaves and having each of its ends constructed to work in said recesses, each leaf also having bearing-faces to engage each other when the hinge is in either an open or outward or closed or inward relation and to prevent further movement of the hinge in said inward or outward directions.

2. A hinge comprising in its construction two leaves each consisting of three plates riveted together the central plate of each being cut away to form an interior recess and a link pivotally connected to said leaves and having each of its ends constructed to work in said recesses, the said link being formed with beveled edges to rest against the opposite side edges of the recesses when the hinge is in either an open or closed relation.

In testimony of the foregoing specification I do hereby sign the same, in the city of New York, county and State of New York, this 2d day of May, A. D. 1903.

HENRY FRANCIS KEIL.

Witnesses:

F. A. WENZBECK,

H. B. AMMAN.