O. C. KADE.

FOLDING TABLE.

APPLICATION FILED AUG. 21, 1907.

900,552.

Patented Oct. 6, 1908.

Fig. 1.

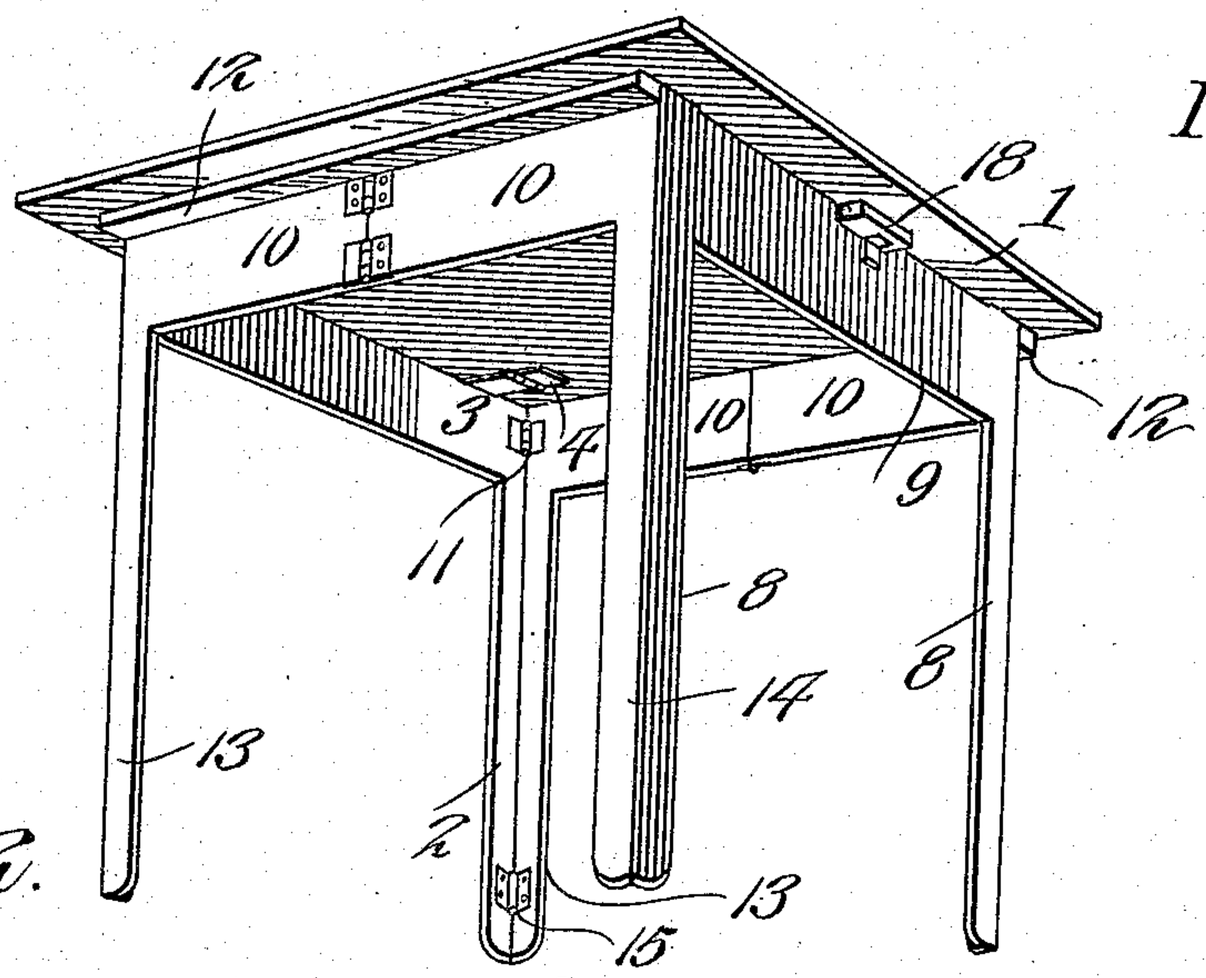


Fig. 2.

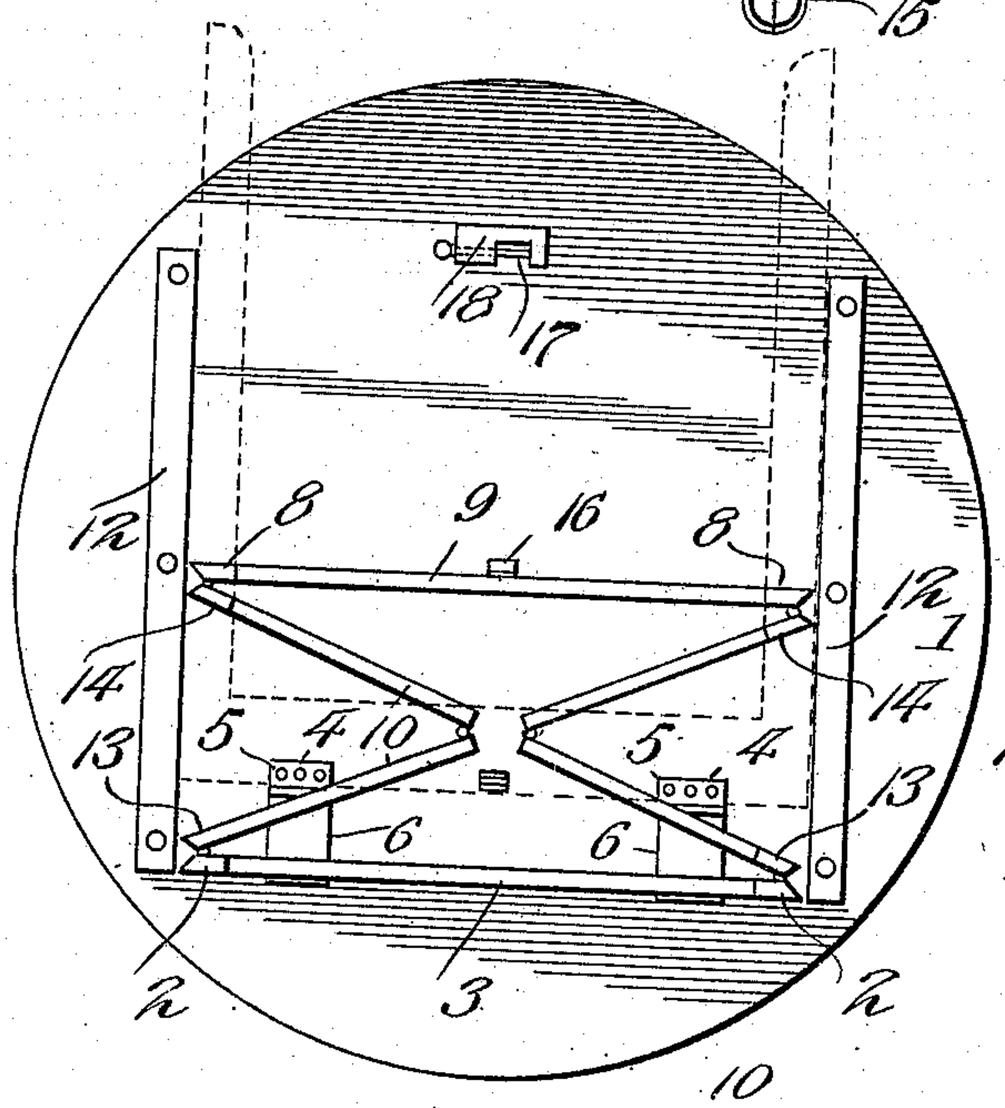


Fig. 3.

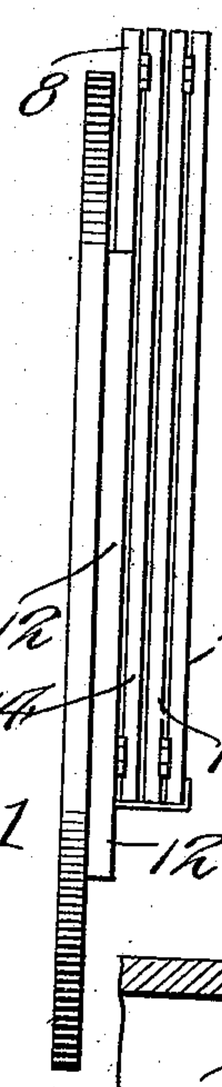


Fig. 4.

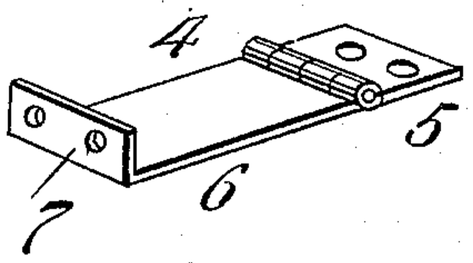


Fig. 5.

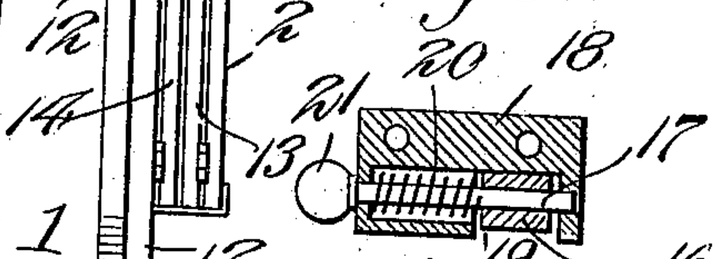


Fig. 6.

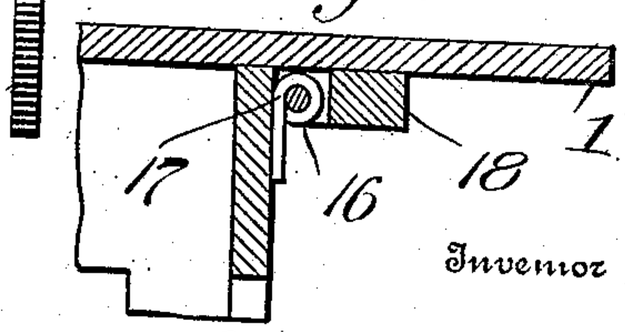
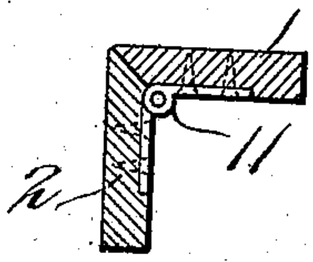


Fig. 7.



Witnesses

F. A. Ackerman Jr.

J. W. Garner

Inventor

Otto C. Kade

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

OTTO C. KADE, OF CHICAGO, ILLINOIS.

FOLDING TABLE.

No. 900,552. Specification of Letters Patent. Patented Oct. 6, 1908.

Application filed August 21, 1907. Serial No. 389,557.

To all whom it may concern:

Be it known that I, OTTO C. KADE, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Folding Tables, of which the following is a specification.

This invention is an improved table having legs which are foldable against the table top to effect a compact disposition thereof, and the said invention consists in the construction, combination and arrangement of parts hereinafter described and claimed.

In the accompanying drawing,—Figure 1 is a perspective view of a table constructed in accordance with my invention. Fig. 2 is a bottom plan view of the same, showing the slidable legs in an intermediate position and showing the legs in folded position in dotted lines. Fig. 3 is a side elevation of the table, showing the same folded. Fig. 4 is a detail perspective view of one of the hinges employed for connecting the angularly movable legs to the underside of the table top. Fig. 5 is a detail sectional view of the means for securing the slidable legs to the table top when such slidable legs are extended. Fig. 6 is a sectional view of a portion of the table, also showing such means for locking the slidable legs in extended position. Fig. 7 is a detail sectional view showing a hinged joint between one of the legs and one of the links employed to connect the legs together.

To the underside of the table top 1 near one side thereof are hinged a pair of legs 2, so that such legs are angularly movable with relation to the table top to be disposed either parallel therewith or at right angles thereto, and in the embodiment of my invention here shown such legs are connected together at their upper ends by a bar 3, the hinges 4 which are employed to connect such legs to the table top being provided with leaves 5, 6 which are respectively attached, as by means of screws, to the said bar 3, the said leaves 6 being of sufficient length to clear the slidable legs and the connecting links hereinafter described, when all of the legs are folded against the table top, said leaves being provided at their outer ends with out-turned portions 7 which bear against the outer side of and are secured to the said bar 3. I also employ slidable legs 8, of which a pair are here shown, which are connected together at their upper ends by a bar 9. Said slidable legs are connected to the hinged or angularly movable legs 2 by flexibly jointed links 10, said links being flexibly joined to the said legs 2 and 8, here shown as hinged thereto, as at 11. The outer ends of the said links and of the said bars 3 and 9 are mitered, so that when the said legs 8 are moved to the fullest extent from the legs 2 the said links 10 are straight and disposed in parallel relation, as shown in Fig. 1. To slide the said slidable legs I provide guide cleats or bars 12 which are secured to the underside of the table and between which the legs are disposed, as shown.

It will be understood that when the legs 2 and 8 are in extended position, as shown in Fig. 1, they serve to support the table top and that when the legs 8 have been moved close to the legs 2 so as to cause the links 10 to be folded between such legs 2 and 8, such legs may be then turned angularly with reference to and disposed parallel on the underside of the table top, as shown in Fig. 3, thereby compactly folding the legs and their connecting links on the underside of the table top, so that the table will occupy a comparatively small space. Owing to the provision of the extended leaves 6 of the hinges 4, such leaves 6 serve to clear the bars 3, 9 of the respective legs 2, 8 and also the folded links 10 between such legs 2 and 8. The links 10 are here shown as provided at their outer ends with legs 13, 14 which are respectively hinged to the legs 2 and 8, as at 15. Said legs 13, 14 may, however, be dispensed with, if preferred.

The bar 9 of the slidable legs 8 is provided with an eye 16 for engagement by a bolt 17 in a block 18, which is secured to the underside of the table top and is provided in one side with a recess 19 to receive the said eye, the said bolt being preferably provided with a spring 20 to hold it in engaged position. To facilitate the disengagement of the bolt from the eye 16 to release the slidable legs and enable them to be disposed in folded position, said bolt is here shown as provided with a knob head 21.

For the purposes of this specification the foldable supporting legs are shown on a table. It will be understood, however, that they may be used for any other article of furniture, and I do not desire to limit myself in this particular. Neither do I desire to limit myself to the precise construction and combination of devices herein shown and de-

scribed, as it is evident that modifications may be made therein within the scope of the appended claim.

Having thus described the invention, what is claimed as new, is:

An article of furniture comprising a top portion having parallel guides on its under side, a pair of legs having a cross bar connecting their upper ends, hinges connecting the said cross bar to the under side of the top portion to enable such legs to be turned under such top portion or disposed in a vertical position, a pair of legs connected together and slidable under the top between the said guides and pairs of foldable links pivotally connected to and connecting the first-mentioned pair of legs and the slidable legs, the said links being adapted when folded to lie between the hinged legs and the slidable legs and to be turned, together with such hinged legs and slidable legs to a position parallel with said top portion, the said hinges which connect the cross bar of the first mentioned legs to the underside of the top portion having spacing leaves connected to said cross bar and of a length in the clear between said cross bar and the top portion equal to the combined thickness of the links when folded and the slidable legs, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

OTTO C. KADE.

Witnesses:

ERNEST SCHIESS,

MARTEN BENISH.