W. R. MONTGOMERY.

FOLDABLE TABLE.

APPLICATION FILED JUNE 14, 1906.

902,245. Patented Oct. 27, 1908.

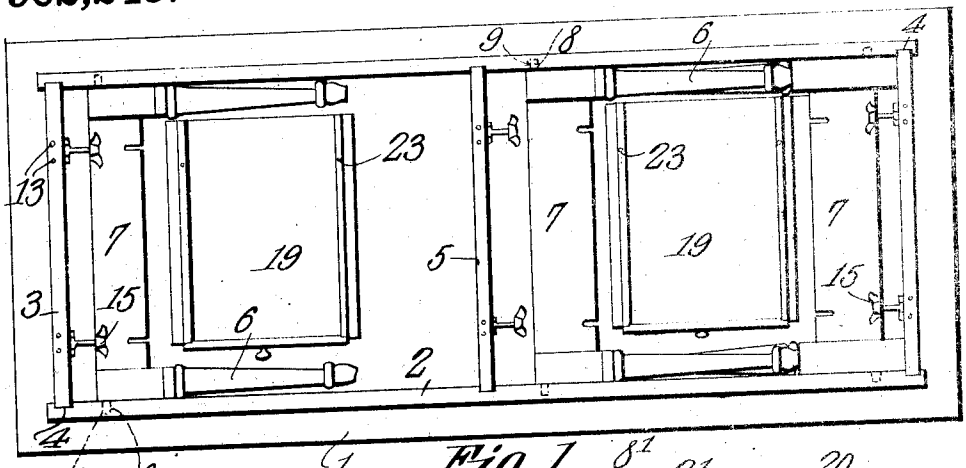


Fig. 1.

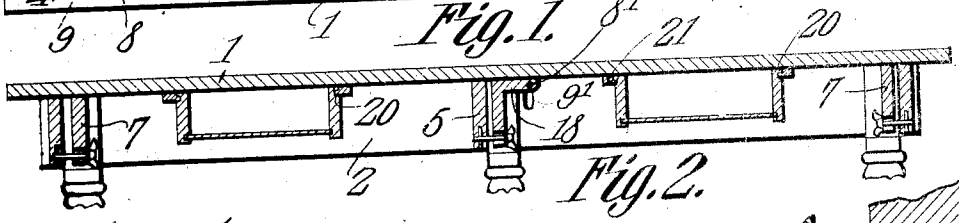


Fig. 2.

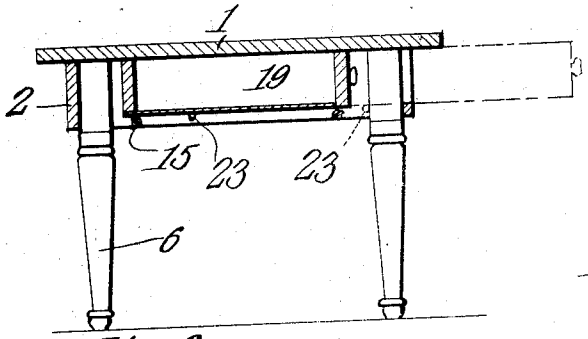


Fig. 3.

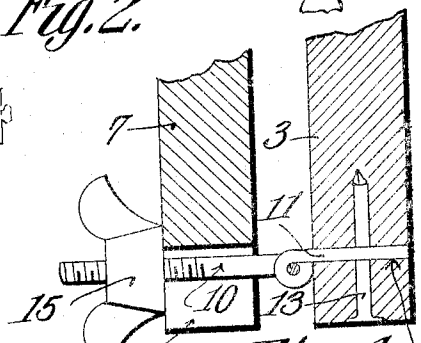


Fig. 4.

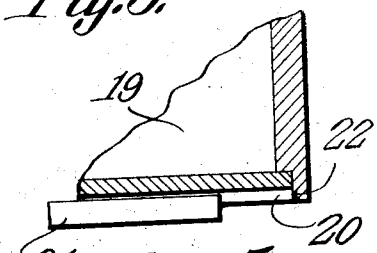


Fig. 5.

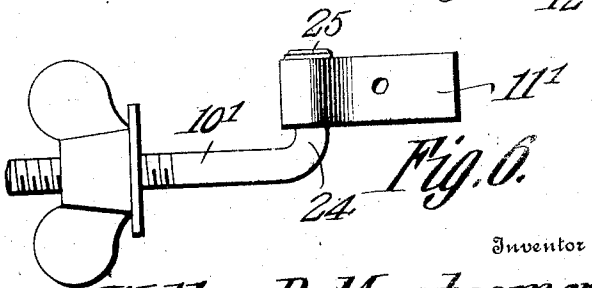


Fig. 6.

Witnesses

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UNITED STATES PATENT OFFICE.

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FOLDABLE TABLE.

No. 902,245. Specification of Letters Patent. Patented Oct. 27, 1908.

Application filed June 14, 1906. Serial No. 321,706.

To all whom it may concern:

Be it known that I, WALTER R. MONTGOMERY, a citizen of the United States, residing at Shreveport, in the parish of Caddo and State of Louisiana, have invented a new and useful Foldable Table, of which the following is a specification.

This invention relates to foldable tables, and has for its object to provide a novel mounting of the legs to enable convenient folding thereof against the bottom of the table, and also to provide for effectually bracing the legs when set to their supporting position.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is an inverted plan view of a foldable table of the present invention with the legs folded. Fig. 2 is a longitudinal sectional view of the table with the legs set to supporting position. Fig. 3 is a cross sectional view of Fig. 2. Fig. 4 is an enlarged detail sectional view to show the bracing connection between a pair of legs and an adjacent cross bar on the table. Fig. 5 is an enlarged fragmentary sectional view taken horizontally through one of the front corners of the drawer to show the mounting thereof. Fig. 6 is a top plan view showing a modified form of bracing connection between the legs and adjacent cross bar of the table.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The present table includes a top 1, longitudinal side rails 2 rigidly connected to the underside of the top and end cross rails 3 which are mortised into the inner faces of the side rails 2, at 4, there being an intermediate cross bar or cross rail 5 also preferably mortised into the side rails, as shown in Fig. 1.

For each end of the table there is a pair of legs 6, and there is also a pair of legs mounted adjacent the intermediate cross bar or rail 5.

Each pair of legs is connected at their heads by means of a cross head 7 preferably mortised in the legs.

Each leg is provided upon its head with an outwardly directed pin 8 mounted to rotate within a bearing opening 9 formed in the adjacent stationary rail 2, whereby the legs work between the rails and may be folded with one pair of legs flat against the under side of the table top and the other pair of legs over-lapping the first pair of legs and parallel therewith. When the legs are in supporting position, as shown in Figs. 2 and 3, it is proposed to connect the same to the adjacent cross rail, preferably as shown in Fig. 4 of the drawing, wherein has been shown a bolt or threaded pin 10, hinged to the cross rail 3, preferably by means of a hinge member 11 let into a recess or saw-kerf 12 in the inner face of the adjacent rail 3 and fixed therein by means of a pair of fastenings 13 driven through the lower edge of the rail 3 and through suitable perforations in the hinge member 11.

The lower edge of the cross head 7 is provided with a vertical slot or notch 14 intersecting the bottom edge thereof and into which the bolt 10 may be swung, said bolt carrying a thumb nut 15 which is set up against the inner face of the cross head 7, thereby to rigidly connect the latter and the cross rail 3 so as to firmly brace the legs when set to supporting position.

The pairs of legs are spaced so that they must over-lap when folded, this being carried out as illustrated in Fig. 2 of the drawing, wherein it will be seen that a cleat 18 is secured to the cross head 7 of one pair of legs, and the dowels or pivot pins 8′ are carried by the ends of said cleat, each pin being received within a groove or elongated opening 9′ in the inner face of the adjacent longitudinal rail of the table so as to give the pivot pin a suitable amount of play.

In folding the legs, the right hand pair of legs is first folded against the top of the table and then the left hand pair of legs is folded over against the first mentioned pair, the cleat 18 being of a width to space the adjacent legs from the table so as to overlap and fold against the first mentioned pair of legs to a position parallel therewith.

When the table is equipped with a slidable drawer, such as indicated at 19, each side of the drawer is provided in its outer face with a longitudinal groove or guide way 20 receiving a flanged bar 21 fixed to the upper side of the table so as to slidably support the drawer. These bars terminate short of the longitudinal rails of the table so as to permit

the legs folding in the space between the rails and the ends of the bars. The drawer approximates the lengths of the bars so as not to interfere with the folding of the legs when the drawer is pushed inwardly to its limit which is governed by means of the shoulder 22 at the front end of each groove 20, said shoulder being designed to engage the front end of the adjacent bar and thereby limit the inward movement of the drawer.

Suitable stop shoulders 23, such as wooden pins depend from the side of the drawer adjacent its rear end so as to contact with the front longitudinal rail of the table to prevent entire withdrawal of the drawer, as indicated by the dotted lines in Fig. 3 of the drawing.

In Fig. 6 there is illustrated a modified form of connecting bolt for securing the legs in operative or supporting position. In this form of the device a bolt 10′ is provided with an angular arm 24 having an enlarged head 25 adapted to prevent accidental displacement from the hinge member 11′, the parts being otherwise the same as the construction illustrated in Fig. 4 of the drawing.

Having thus described the invention, what is claimed is:

1. A table comprising a top, continuous longitudinal side rails rigidly secured to the table top, cross rails permanently secured to the opposite ends of the side rails, a plurality of sets of terminal and intermediate legs connected by cross heads and pivotally supported upon the side rails, the cross head of the intermediate set of legs being provided with an angularly disposed cleat having a pin and slot connection with the adjacent side rails, the cross heads and legs of the terminal sets being arranged to fold laterally against the bottom of the table and the legs of the intermediate set being arranged to fold upon one of the terminal sets of legs, an intermediate cross rail rigidly secured to the side rails, and bracing means carried by the cross rails and engaging the cross heads for holding said legs in supporting position.

2. A table comprising a top, continuous longitudinal side rails rigidly secured to the table top, cross rails pivotally secured to the opposite ends of the side rails, a plurality of sets of terminal and intermediate legs connected by cross heads and pivotally supported upon the side rails, the cross head of the intermediate set of legs being provided with an angularly disposed cleat having a pin and slot connection with the adjacent side rails, the cross heads and legs of the terminal sets being arranged to fold laterally against the bottom of the table, and the legs of the intermediate set being arranged to fold upon one of the terminal sets of legs, an intermediate cross rail rigidly secured to the side rails, and bracing means between the cross heads and the adjacent cross rails for holding said legs in supported position, said bracing means including a threaded pin having a clamping nut, and a hinged member loosely carried by the pin and seated in a saw kerf in one of the members to be connected, the other member being provided with a notch to receive the pin, and a fastening device piercing the hinged member in the saw kerf.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WALTER R. MONTGOMERY.

Witnesses:
J. B. SLATTERY,
P. M. WELSH.