Oct. 6, 1925.

1,556,172

E. A. SPEAR

TABLE AND THE LIKE

Filed Jan. 14. 1924

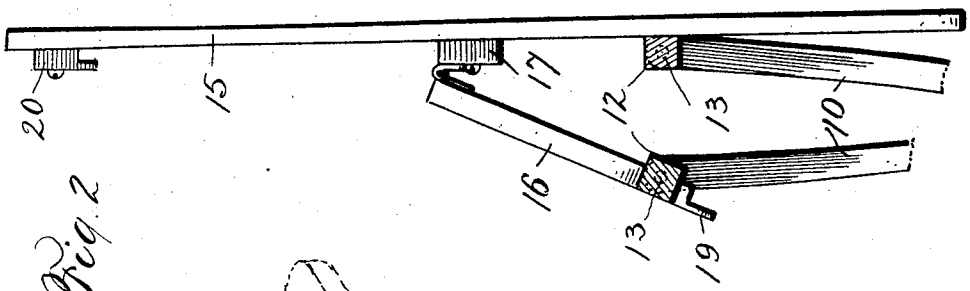


Fig. 2

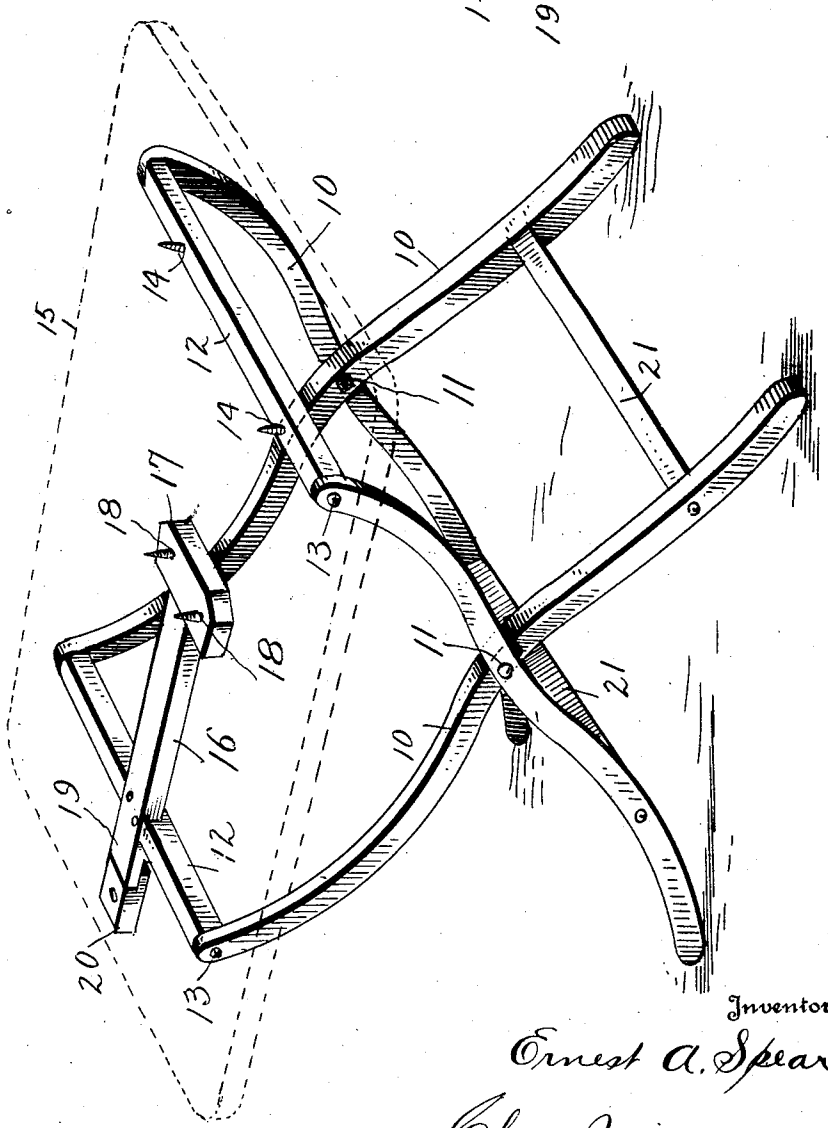


Fig. 1.

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UNITED STATES PATENT OFFICE.

ERNEST A. SPEAR, OF BELMONT, MASSACHUSETTS.

TABLE AND THE LIKE.

Application filed January 14, 1924. Serial No. 686,175.

To all whom it may concern:

Be it known that I, ERNEST A. SPEAR, residing at Belmont, Massachusetts, a citizen of the United States, have invented certain new and useful Improvements in Tables and the like, of which the following is a specification.

My invention relates to leg supported articles such as tables, ironing boards, etc., my object being to provide a collapsible or foldable structure which while a few parts will rigidly support the table, ironing board or other horizontal member which for convenience I shall hereinafter term the "top" and admit of ready adjustment to change the height of the top and my invention consists in whatever is described by or is included within the terms or scope of the appended claims.

In the accompanying drawings Figure 1 is a perspective view showing the legs opened out to support the top which is shown in dotted lines;

Fig. 2 is a side elevation with parts in section, showing the structure folded.

The leg structure includes two pairs of similar legs, 10, which are pivoted at midlength so that they may be swung from a substantially parallel position to the opened out position shown in the drawing, the pivots being conveniently bolts, 11, and the upper ends of opposite legs of the two pairs are joined by a horizontal cross bar, 12, which has a pivotal connection with the legs as by means of screws, 13, which permit turning of the bars on their longitudinal axes. Through one of said bars, 12, are several holes, 14, for the passage of screws to attach to the bar the top, 15, and at midlength of the other cross bar, 12, is attached a bar, 16, which extends at right angles therefrom, to one end of which is hinged a block, 17, which has holes, 18, for the passage of screws into the top, 15. The other end, 19, of the bar, 16, is adapted to be engaged by a button, 20, pivoted to the bottom of the top, 15. It will be seen that according to the distance between the points of connection of the cross bar, 12, having the screw holes, 14, and the block, 17, which is attached to the other cross bar, the height of the top, 15, depends so that by changing the place of connection of said cross bar, 12, and said block, 17, the height of the top, 15, may be varied and by reason of the pivotal connection between the cross bars, 12, and the leg they may rock to make the plane of the surface which engage the underside of the top, 15, parallel with the latter notwithstanding the turning of each pair of legs upon their pivot, 11.

Preferably the opposite legs of the two pairs are connected near the bottom by a cross brace, 21.

As shown in Fig. 2 the structure may be folded or collapsed into a small compact article, the legs folding alongside one another on their pivots, 11, the cross bars, 12, rocking on their pivotal connection with the legs, and the hinge connection between the table top and the bar, 16, allowing the latter to swing away from the underside of the table top while the table top moves to a position substantially parallel with the legs. The turn button 20, of course, is released from the bar end, 19, to allow this collapsing action.

What I claim is:

1. A top supporting structure comprising two pairs of pivoted legs, the pivots being between the ends of the legs and top engaging members extending between and pivoted to opposite legs of the two pairs said top-engaging members rocking upon their pivotal connection with the respective pairs of legs and moving towards and from one another with the legs when the table is folded and unfolded, respectively, one of said members having an arm thereon with a block hinged to the end of said arm by means of which block the connection with the top is made.

2. A top supporting structure comprising two pairs of pivoted legs, the pivots being between the ends of the legs, a cross bar extending between and pivotally connected with the upper ends of each pair of legs, a top directly connected with one of said cross bars, a third bar connected with the other of said cross bars, a block hinged to the outer end of said third cross bar to which the said top is connected, and a latch to prevent turning of the cross bar with which said third bar is connected.

In testimony whereof I hereunto affix my signature.

ERNEST A. SPEAR.