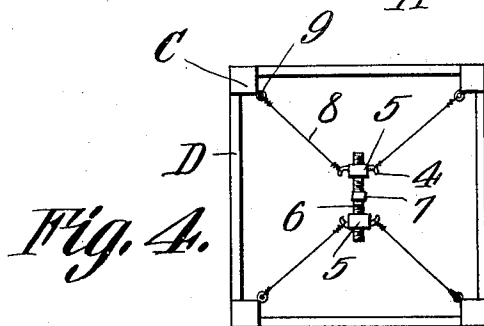
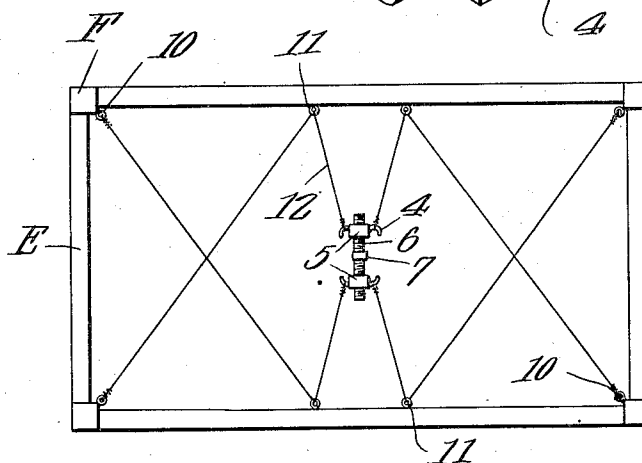
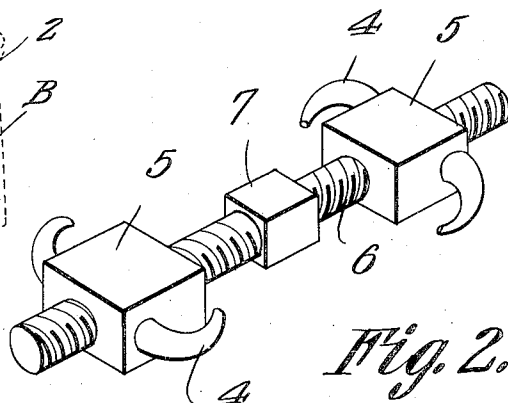
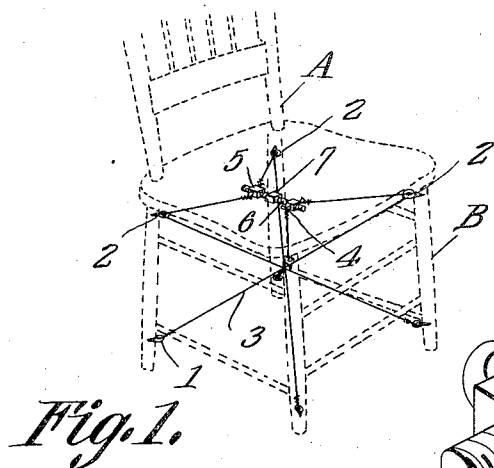


E. L. McKEE.  
BRACE FOR CHAIRS, COUCHES, AND THE LIKE.  
APPLICATION FILED JAN. 31, 1912.

1,047,428.

Patented Dec. 17, 1912.



Witnesses

*J. P. Dornley*  
*L. H. Wikow*

*E. L. McKee*  
Inventor,

by *C. A. Snow & Co.*  
Attorneys.

# UNITED STATES PATENT OFFICE.

ELLERY L. MCKEE, OF TALLADEGA SPRINGS, ALABAMA.

BRACE FOR CHAIRS, COUCHES, AND THE LIKE.

1,047,428.

Specification of Letters Patent.

Patented Dec. 17, 1912.

Application filed January 31, 1912. Serial No. 674,559.

*To all whom it may concern.*

Be it known that I, ELLERY L. MCKEE, a citizen of the United States, residing at Talladega Springs, in the county of Talladega and State of Alabama, have invented a new and useful Brace for Chairs, Couches, and the Like, of which the following is a specification.

This invention relates to braces for use in connection with chairs, couches and the like, one of the objects of the invention being to provide a simple form of brace which will operate positively to prevent the legs of the article of furniture from shifting out of proper position relative to each other, the brace being of such a nature as to be invisible when used in connection with box chairs, couches, and similar articles of furniture.

A further object is to provide a brace of this character which can be readily adjusted and which can be quickly applied to different articles of furniture already in use.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred forms of the invention have been shown.

In said drawings:—Figure 1 is a perspective view of a chair having the present improvements combined therewith. Fig. 2 is a perspective view of the coupling used in connection with the brace, said coupling being shown on an enlarged scale. Fig. 3 is a plan view of a modified form of brace particularly designed for use in connection with couches. Fig. 4 is a view of another form of brace.

Referring to the figures by characters of reference A designates a chair having the usual legs B. In the form of brace shown in Fig. 1 eye screws 1 and 2 are connected to each leg adjacent the bottom and top thereof respectively. A wire 3 or other suitable strong flexible element is secured at

one end to each eye 1 and extends upwardly diagonally across the chair to one of the eyes 2 from which the wire extends inwardly to a hook or extension 4 formed upon a nut 5. Two of these nuts are used and each nut has two hooks or extensions 4 thereon, one of these hooks or extensions being provided for each of the elements 3. A bolt 6 is engaged by the two nuts 5, the end portions of the bolt being formed with right and left hand threads respectively and there being a central head 7 on the bolt so that, when the bolt is rotated in one direction, the nuts 5 will be drawn toward each other whereas, when the bolt is rotated in the opposite direction, the nuts 5 will be moved apart.

It will be apparent that when the wires or other flexible elements 3 have been assembled in the manner hereinbefore set forth, they can all be drawn taut, simultaneously, by rotating bolt 6 so as to draw the nuts 5 toward each other. After the elements 3 have thus been tightened, it will be apparent that the legs B will be held in fixed relation to each other.

The construction above described is particularly designed for use in connection with box chairs which will thus conceal all parts of the brace. In other types of chairs the brace wires or elements 8, shown in Fig. 4, can be attached to eye screws 9 secured to the upper end portions of the legs C, the said elements 8 converging toward the hooks or projections 4 on the nuts 5. Thus it will be seen that when the bolt 6, shown in Fig. 4, is rotated in one direction, the nuts 5 will be drawn toward each other and will pull, through the elements 8, directly on the upper end portions of the legs C, thus preventing said legs from pulling off of the frame D of the chair. All parts of this form of brace are located within the frame D and will therefore be concealed thereby, this type of brace being particularly adapted for use in connection with chairs having their legs unconcealed.

In the construction of settees, couches and the like, the form of brace shown in Fig. 3 may be employed. In said figure the frame of the article of furniture is indicated at E and the legs at F. Eye screws 10 are connected to the upper end portions of the legs F and additional eye screws 11 are secured to the sides of the frame at points

adjacent the centers thereof. Bolt 6 is arranged adjacent the center of the frame and the projections 4 on the nuts 5 are engaged by the ends of wires 12 or similar flexible elements. These wires extend through the adjacent eye screws 11 and thence diagonally to the corner eye screws 10. Thus it will be seen that when bolt 6 is rotated in one direction, the nuts 5 will be drawn toward each other and the elements 12 will be pulled taut simultaneously, thereby operating not only to draw the upper ends of the legs F into intimate engagement with the corner portions of the frame E but also serving to prevent the centers of the long sides of the frame from bulging outwardly.

It is to be understood that the brace herein described can be used in connection with other kinds of furniture than those illustrated and furthermore, in view of the fact that the brace is very simple in construction, it can be more cheaply manufactured than any braces of a similar nature now in use.

What is claimed is:—

The combination with an article of furniture including legs, and means for fixedly connecting the same, of flexible braces connected to the lower portions of the respective legs, each brace being inclined upwardly toward the upper portion of the leg diagonally opposed to the leg to which the brace is secured, means for slidably connecting each brace to the upper portion of the leg toward which it is extended upwardly, said braces being extended horizontally from the connecting means and secured to a common tightening means in the same plane so that the braces of adjoining legs are connected at the respective ends of the tightening means.

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

ELLERY L. McKEE.

Witnesses:

J. W. McKINNON,  
W. E. COOPER.