No. 727,741. PATENTED MAY 12, 1903.

J. R. BROTT.

CHAIR.

APPLICATION FILED JAN. 21, 1903.

NO MODEL.

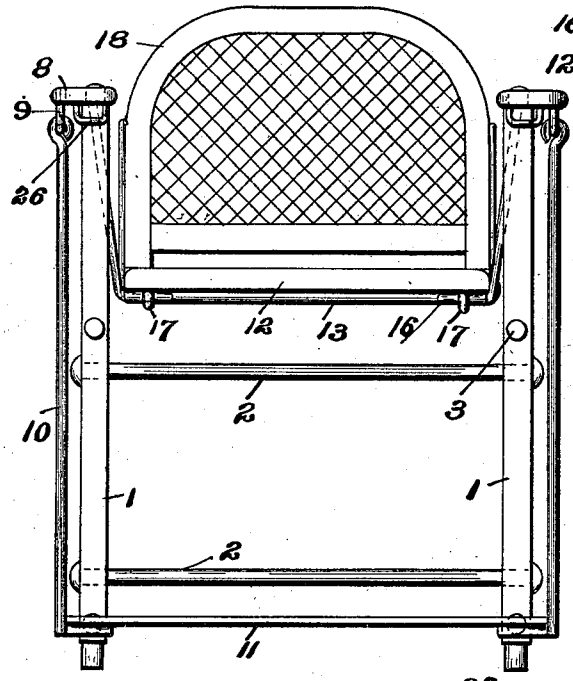


Fig. 1.

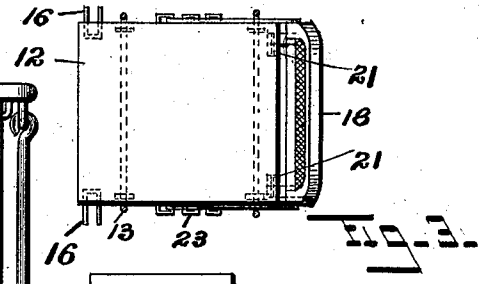


Fig. 3.

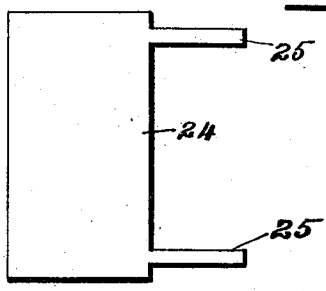


Fig. 5.

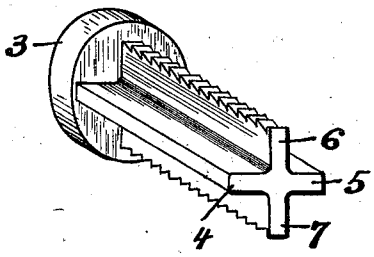


Fig. 4.

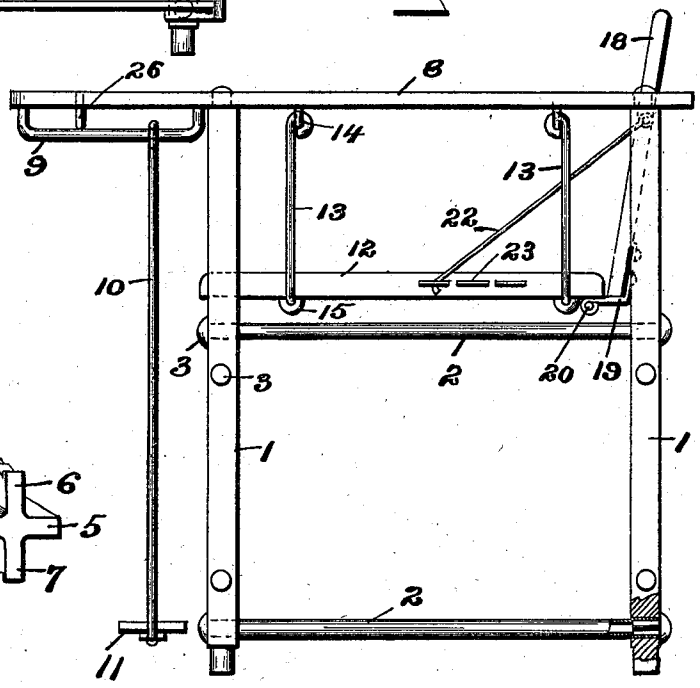


Fig. 2.

Witnesses.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 727,741. Patented May 12, 1903.

UNITED STATES PATENT OFFICE.

JOHN R. BROTT, OF SOUTHBURY, CONNECTICUT.

CHAIR.

SPECIFICATION forming part of Letters Patent No. 727,741, dated May 12, 1903.

Application filed January 21, 1903. Serial No. 139,967. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. BROTT, a citizen of the United States, residing at Southbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Chairs, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to new and useful improvements in chairs; and its object, among other things, is to construct a chair having a rigid frame with a bottom having an adjustable back movably mounted thereon and an adjustable foot-rest and to provide simple and economical means for securing the chair-rungs to the chair-posts.

To these and other ends my invention consists in the chair having certain details of construction and combination of parts, as will be hereinafter described, and more particularly pointed out in the claims.

Referring to the drawings, in which like numerals designate like parts in the several figures, Figure 1 is a front elevation of my improved chair complete. Fig. 2 is a side elevation thereof. Fig. 3 is a plan view of the chair bottom and back upon a smaller scale. Fig. 4 is an enlarged perspective view of the rung-plug, and Fig. 5 is a plan of the extension-table.

In carrying out my invention I provide the corner-posts 1, which are secured together by the rungs 2, which pass through said posts and are flush with the outer edges thereof. These rungs are preferably made of metal tubing and are fastened rigidly in place by the plug 3. This plug is constructed with radiating ribs 4, 5, 6, and 7, the ribs 4 and 5 being of the same diameter as the inside diameter of the rungs 2 and the diameter of the ribs 6 and 7 being slightly larger and provided with teeth upon their outer edges. The head of the plug can be made of any preferred form, but preferably oval or round. The plug is driven into the end of the tubing, and the ribs 6 and 7 being of slightly larger diameter than the bore thereof forms a fin upon the outside of the tubing opposite said ribs, which fins enter the wood and hold the tube fast in the post.

In Fig. 2 I have shown one of the posts and rungs broken away, with the plug 3 exposed in its proper position.

Surmounted upon the top of the corner-posts are the arms 8, which overhang the forward end of the chair and are each provided with a downwardly-depending loop 9, to which is slidably secured the upper ends of the rods 10, having the footboard 11 at their lower ends. This mode of securing the foot-rest permits the same to be adjusted horizontally, either toward or away from the chair, while permitting the footboard to be elevated to any vertical position, which is secured without the aid of additional parts, the rods 10 simply sliding upon the loops 9.

The seat is designated 12 and is suspended in a swinging position from the arms 8 by the rods 13, which are mounted within eyes 15 on the under side of the bottom and in eyes 14, depending from the under side of the arms 8.

To hold the bottom against endwise swinging movement when desired, I have provided a stop-yoke 16 upon either side of the seat-bottom, that is slidable within eyes 17. In their retracted position the yokes will permit the bottom to be swung upon the rods 13, but when pushed outwardly engage the front corner-posts and hold said chair-bottom rigidly against movement in any direction.

The chair-back 18 is pivotally secured to the bottom 12 by the angle-irons 19 and pintle 20, there being preferably two of said angle-irons, which are arranged so as to be upon the outside of the eyes 21, fixed in the under side of the bottom 12, whereby a sidewise movement of the back is prevented. The angle of inclination of the back is varied by the rod 22, which is pivotally connected to the back at one end and provided with a hook at the other end, which engages any one of a plurality of staples 23 in the side of said chair-bottom.

The rods 10 and 13 are shown in the drawings as being round; but I do not desire to be limited thereby, as they can be square, flat, or of any other desired form, and a strap could be substituted and the device operated equally as well. The corner-posts could also be made of metal tubing and a wooden core inserted therein.

The numeral 24 designates the extension-table having the two projecting arms 25 25,

which are inserted within the staples 26 26 in the arms 8 to support said table upon the chair-body. Folding legs (not shown) can be attached to this extension-table to lend additional support thereto, if desired.

There are minor changes and alterations that can be made within my invention aside from those herein suggested, and I would therefore have it understood that I do not limit myself to the exact construction herein shown and described, but claim all that falls fairly within the spirit and scope of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a chair, the combination with a post; of a hollow rung; means for connecting said rung to said post, said means comprising a longitudinally-ribbed non-rotatable plug having a head thereon, some of said ribs being provided with teeth in the outer edge thereof.

2. In a chair, the combination with the posts 1; of the hollow rungs 2; and retaining-plug 3, said retaining-plug having ribs 4 and 5 thereon of substantially the same diameter as the inside diameter of said rungs and ribs 6 and 7 of slightly-larger diameter than the diameter of said rungs 2, said ribs 6 and 7 being provided with teeth upon their outer edges.

3. In a chair, the combination with the body portion; of the arms 8 connected therewith; loops 9 upon said arms; foot-rest 11; rods 10, slidably secured to said loops 9; bottom 12; and rods 13 connected with said bottom and said arms; all constructed and operating substantially as shown and described.

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

JOHN R. BROTT.

Witnesses:
FLORENCE H. MONK,
WALLACE S. MOYLE.