(No Model.)

G. J. SHULTS.

ADJUSTABLE CHAIR BACK.

No. 360,622. Patented Apr. 5, 1887.

Fig. 1

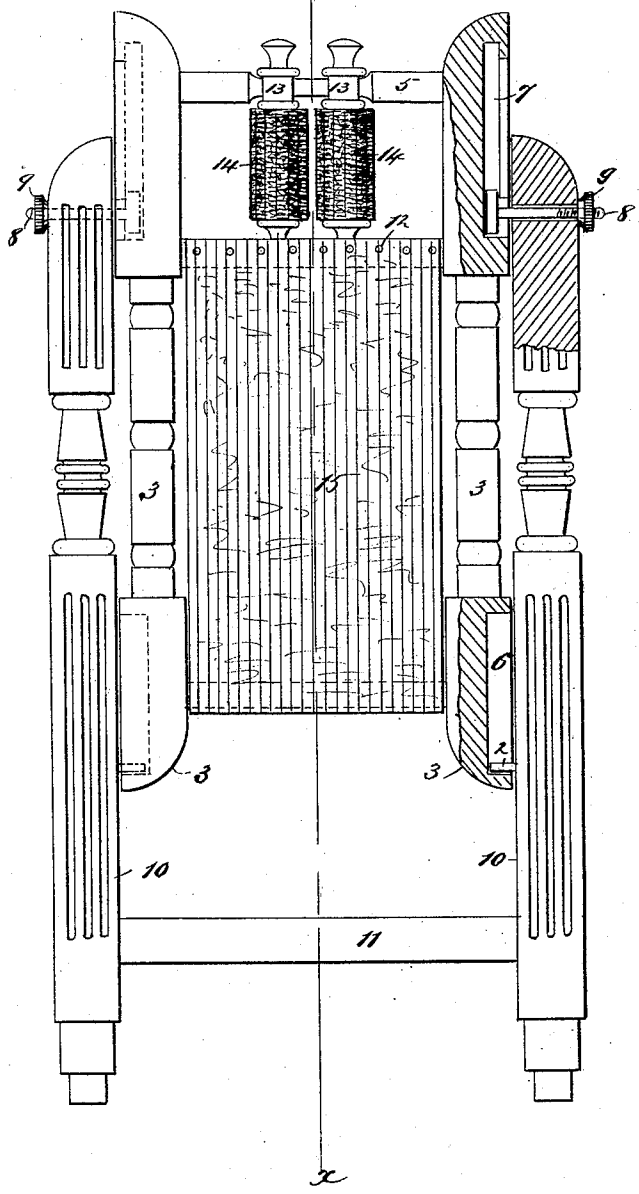


Fig. 2

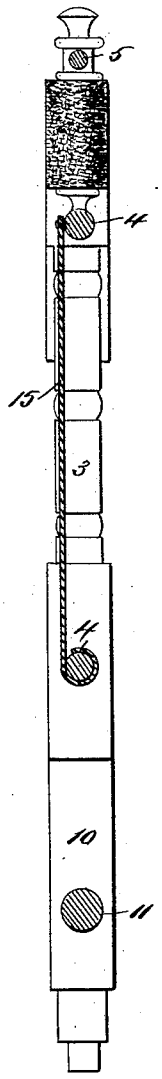
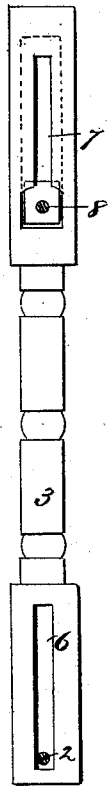


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE J. SHULTS, OF AVOCA, NEW YORK.

ADJUSTABLE CHAIR-BACK.

SPECIFICATION forming part of Letters Patent No. 360,622, dated April 5, 1887.

Application filed April 16, 1886. Serial No. 199,084. (No model.)

To all whom it may concern:

Be it known that I, GEORGE J. SHULTS, of Avoca, in the county of Steuben and State of New York, have invented a new and Improved Adjustable Chair-Back, of which the following is a full, clear, and exact description.

My invention relates to the construction of a chair-back that is adjustable for use upon rocking-chairs, as well as other forms of chair; and the invention consists in the construction and arrangement of parts, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the figures.

Figure 1 is a front view of my improved form of chair-back, certain portions of the device being broken away and shown in section in order to more fully disclose the construction of the back. Fig. 2 is a sectional view taken on line *x x* of Fig. 1; and Fig. 3 is a view of the edge of the adjustable section as it appears when removed from the main portion of the back, the guiding-pin and retaining-screw being shown in section.

The adjustable back forming the subject-matter of this application consists, essentially, of two main supporting-posts, 10 10, that are united and spaced by one or more cross-strips, 11, each of the posts being provided with an inwardly-projecting pin, 2. The adjustable section 12 consists of two side bars, 3 3, that are united by main cross-strips 4 4 and by an upper auxiliary cross strip, 5. To the cross-strips 4 4, I secure a strip of any style of appropriate fabric, which constitutes the main support for the back of the person using the chair, this support being shown at 15. The lower portion of the outer faces of each of the main side bars, 3, is formed with a slot, 6, the pins 2 being arranged to slide within said slots, while in the upper portion of the said outer faces there are formed T-shaped grooves 7, and in each of these grooves there is fitted a flat-headed clamping-screw, 8, which said screws are arranged to extend through openings formed in the upper part of the posts 10, and the projecting ends of the screws are engaged by milled nuts 9, as clearly shown.

From this construction it will be seen that by loosening the nuts 9 the section 12 may be elevated or depressed, being guided below by the pins 2, and it will also be seen that the said adjustable section may be clamped in any position to which it has been moved by simply tightening the nuts 9.

Between the upper cross-bar, 4, and the auxiliary cross-bar 5, I arrange two short posts, 13 13, and the main bodies of these posts are surrounded by upholstering 14, which arrangement I have found produces an exceedingly comfortable and convenient head-rest.

The post 13 may be of any preferred shape in cross-section, and being vertical and placed at the proper distance apart, and, being thicker, extending forward of the back, they form a perfect head-rest which will retain the head in position without effort.

I am aware that chairs have been heretofore provided with vertically-adjustable backs, and I do not claim the same, broadly, as of my invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the two main back posts, 10, having inward-projecting pins 2 2 below their centers, of the vertically-adjustable frame having side bars, 3 3, provided with slots 6 6 in the outer faces of their lower ends, in which pins 2 2 extend, and T-shaped slots 7 in the outer faces of their upper ends, clamping-screws 8, having flat heads within said T-shaped slots and stems extending through the upper ends of posts 10 10, and the nuts 9 on said screws, substantially as set forth.

2. The combination, with the two main back posts 10 of the intermediate back or frame, adjustable vertically between said posts, and consisting of side bars, 3 3, having transverse upper and lower cross-bars, 4 4, the fabric strip 15, secured at its ends to the said bars, the auxiliary cross-bar 5, and the vertical posts 13 13, secured to and connecting the cross-bar 5 and the top cross-bar, 4, and the covering 14 on said posts, substantially as set forth.

GEORGE J. SHULTS.

Witnesses:
CHRISTOPHER FOX,
JOHN S. BUCK.