

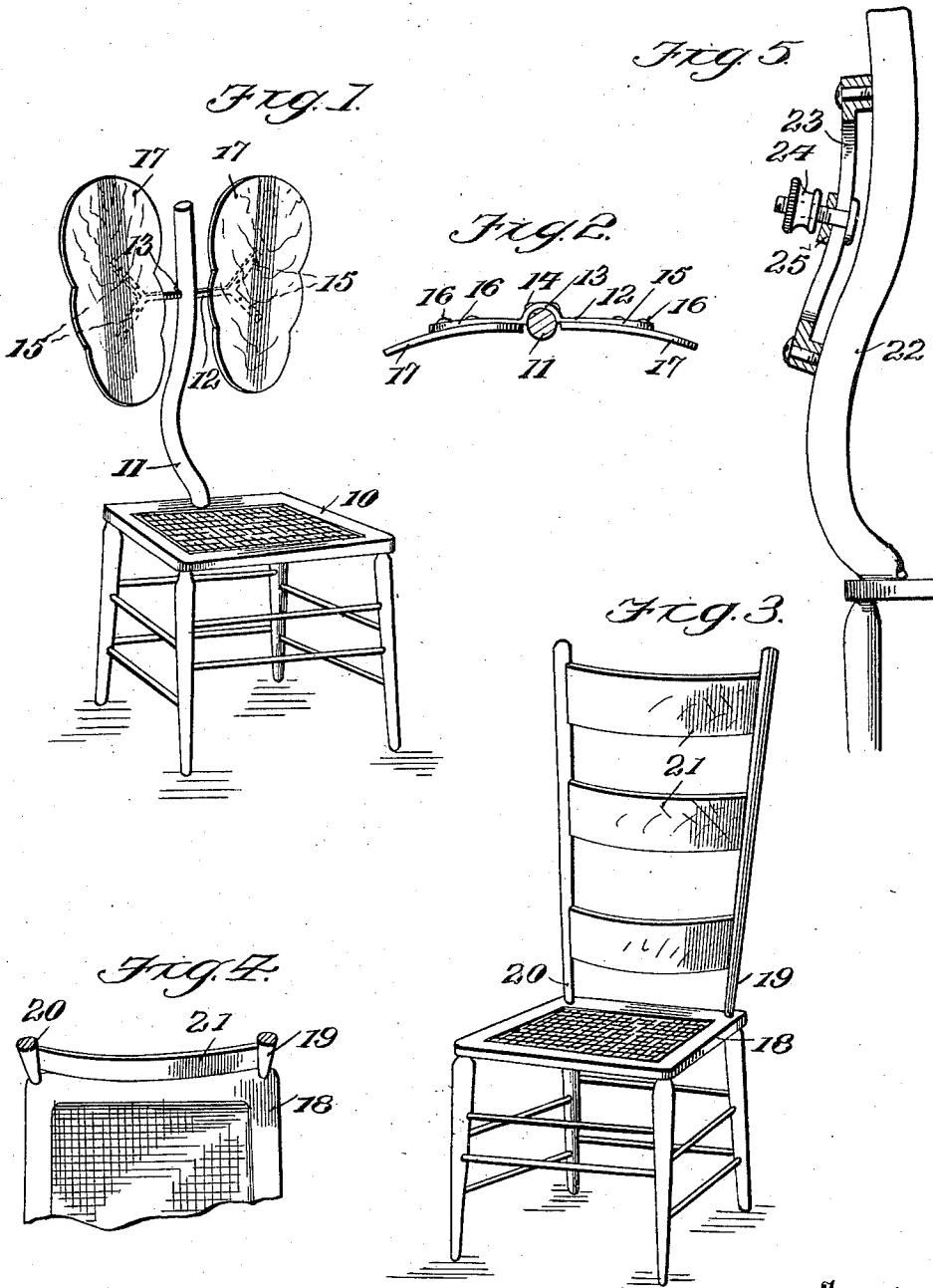
W. H. CARPENTER.

CHAIR BACK.

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1,011,026.

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UNITED STATES PATENT OFFICE

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CHAIR-BACK.

1,011,026.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM H. CARPENTER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Chair-Backs, of which the following is a specification.

This invention relates to chairs and has particular reference to a specific and novel form of back to be employed in connection with the same.

The object of the invention is to form a chair back which will render sitting more comfortable than the backs now employed and which will also be more sanitary inasmuch that the shoulder blades of the person sitting are not thrown forwardly to contract the lungs, and which will thereby admit of the free breathing of the person seated.

The invention has for a further object the provision of a back for a chair which is of substantially convexed formation in contradistinction to the concaved backs now commonly employed and utilized for the purpose of forming an easy and comfortable rest for the back of the person sitting.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction, reference is to be had to the following description and accompanying drawing, in which:

Figure 1 is a perspective view of the improved chair; Fig. 2 is a top plan view of the back detached from the chair; Fig. 3 discloses a slight modification of the chair back embodying the same principle of the invention as disclosed in Fig. 1; Fig. 4 is a top plan view of the chair disclosing the back in section, and Fig. 5 is a detailed view of the standard having an adjustable support thereon.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

Referring to the drawings, the numeral 10 designates the body of the chair which is provided at its rear side with a standard 11 which extends upwardly from the chair and is curved slightly rearward of the same. Adjacent the upper end of the standard 11 is positioned a metallic strip 12 which is looped at its central portion, as at 13, to engage about the rear side of the standard 11 to which the strip 12 is secured through the

medium of a plurality of screws 14. The opposite ends of the strip 12 are extended outwardly and horizontally from the standard 11 and are forked at such extremities to form arms 15 which are diverged and engaged by screws, rivets or the like, as indicated at 16, to the sections 17 forming the back of the chair. From Fig. 2 it will be noted that the sections 17 are of concaved formation and are so spaced apart upon the ends of the strip 12 that the sections 17 engage with the shoulder blades of the person seated upon the chair 10. The standard 11, however, is advanced inwardly of the central portions of the sections 17, so as to present a convexed surface to the back of the person seated. The strip 12 is formed of flexible material, preferably steel, and admits of the springing backwardly of the sections 17 in order to further the convexity of the back.

The same principle is disclosed in Figs. 3 and 4, where a chair 18 is provided with the standards 19 and 20 at its opposite rear corners which diverge upwardly and backwardly therefrom, the standards 19 and 20 being provided with a plurality of spaced strips 21 which are terminated in the inner faces of the standards 19 and 20 and are curved toward the central portion of the chair 18. In this formation it will be noted from Fig. 4 of the drawings, that the back is given a convexed formation and provides means whereby the shoulder blades of the person seated upon the chair may be thrown backwardly and admit of the expansion of the lungs while seated. It is found from practice that this formation of back provides a more comfortable and easy sitting posture for the person seated than the concaved backs of common formation which throw the shoulder blades forwardly and contract the lungs.

In Fig. 5 the standard 22 is disclosed as carrying a slotted plate 23 having a clamp 24 mounted thereon which adjustably supports the strip 25 upon which the back is supported.

From Fig. 1 it will be observed that the sections 17, which are carried upon the standard 11, form lobes for engagement against the back of the person seated, and at the opposite sides of the spinal column. This affords a yieldable support for the back and insures the comfort of the person seated.

In order to adapt the sections 17 snugly

against the back to support the same, the sections are made in substantially pandura formation having the slightly reduced ends thereof extended downwardly from the supporting strip 12.

Having thus described the invention what is claimed as new is:

A chair back including a body, a standard upwardly extending from the central portion of the back of said body and being arched backwardly at its lower end, a strip secured across the surface of said standard and having a looped portion for engagement thereabout, the ends of the strip ex-

tending outwardly and having diverging fork arms formed thereon, and panduriform sections disposed across the fork arms and having their longitudinal axes arranged in parallel relation to said standard, the upper ends of said sections being enlarged to fit the back of the person seated.

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

WILLIAM H. CARPENTER. [L. s.]

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
