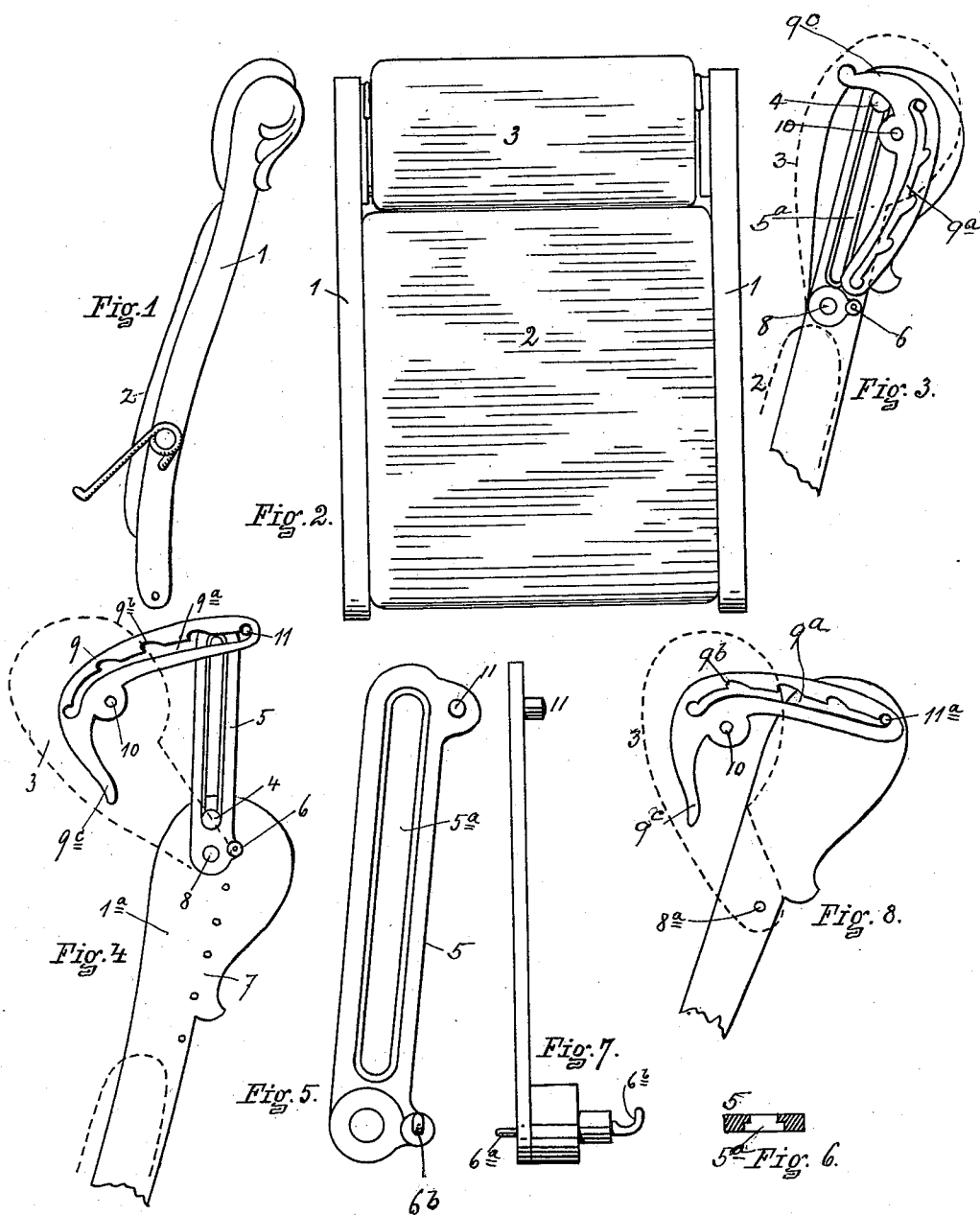


(No Model.)

C. A. LEE.
ADJUSTABLE HEAD REST.

No. 594,543.

Patented Nov. 30, 1897.



WITNESSES.
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ADJUSTABLE HEAD-REST.

SPECIFICATION forming part of Letters Patent No. 594,543, dated November 30, 1897.

Application filed June 1, 1896. Serial No. 593,791. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. LEE, of Canastota, in the county of Madison and State of New York, have invented certain new and useful Improvements in Adjustable Head-Rests for Chairs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form part of this specification.

My present invention relates to improvements in adjustable head-rests for chairs.

In the drawings, Figure 1 shows an edge view of a chair-back having my improved head-rest applied. Fig. 2 shows a front view of the same. Fig. 3 shows details of the mechanism for adjusting the head-rest in the position which the parts assume when the rest is closed or folded. Fig. 4 shows the same in the position which the parts assume when the head-rest has been fully adjusted. Fig. 5 shows in detail from the side an adjustable guide or hanger which carries the head-rest. Fig. 6 shows a section of the hanger or guide. Fig. 7 shows an edge view of the same hanger or guide. Fig. 8 shows a modified form of construction in which only a part of the construction used in the previous figures is employed.

Referring to the reference-figures in a more particular description, 1 1 indicate the frame-bars of the back of the chair, which extend at their upper ends above the fixed upholstered portion 2 of the back and constitute the supports for the adjustable head-rest 3. On the inner side of the projecting portions 1^a of the back-frame are secured by headed bolts or screws 4 the adjustable guides or hangers 5. The heads of the bolts 4 engage in the countersunk guide-slots 5^a. The hangers 5 are capable of adjustment within the limits provided by the slots 5^a, and for securing them in several adjusted positions there are provided snaps or catches 6, the projecting ends 6^a of which when extended being adapted to enter the series of holes 7, provided in the inner face of the extension 1^a. The snaps 6 are operated by the handles 6^b similar to a window-sash catch. The head-

rest 3 is pivoted at 8 to the lower ends of the sliding hangers 5, so as to be adjustable up and down with the hangers. The graduated catches 9 are pivoted to the upper side of the head-rest 3 on pivots 10 and are provided with slots 9^a and a series of notches 9^b, adapted to engage on the pins 11, secured in the upper end of the hangers 5, the pins projecting into the slots 9^a of the catch and being adapted to be received in any one of the notches 9^b to secure the head-rest in any of its several positions of adjustment so far as this particular adjustment is concerned. The catches 9 are also provided with arms 9^c, by which they may be operated. It will be understood that the hangers 5 and catches 9 are provided at each end of the head-rest 3, between it and the extensions 1^a of the back.

The head-rest as a whole can be adjusted up and down on the fixed portion of the back by withdrawing the catches 6, so to as free the hangers 5, when they may be slid up or down, as required, on the bolts or screws 4, and when in the desired position of adjustment the catches or snaps secure them in the adjusted position by engaging in one of the series of holes 7.

The angle of the head-rest may be changed by moving it backward and forward from the position shown in dotted lines in Fig. 3 to that shown in dotted lines in Fig. 4, more or less. In moving it forward the graduated catches 9 will automatically operate by gravity to secure the head-rest in the desired angle of adjustment; but in closing the head-rest from this adjustment the catches 9 are disengaged by pressing on the arms 9^c thereof, which project into a position to readily permit this to be done. It will be noted that the slots 9^a in the catches 9 are curved in such a way as to completely fold the catches when the head-rest is folded, as shown in Fig. 3.

In the modified form of construction shown in Fig. 8 the head-rest is pivoted directly to the chair-back extensions at 8^a, while pins 11^a are provided in the ends of the extension on which the catches engage.

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

1. The combination with the extension head-pieces of a chair-back, of the immediately-located head-rest pivoted at its lower

edge and folding gravity-catch 9 having a curved slot with catch-notches and arm 9^c located and folding between the end of the head-rest and the extension head-piece and
5 pivoted to the head-rest, and a rigidly-held projecting pin engaging in the slot of the said catch, substantially as set forth.

2. The combination with the extension head-pieces of a chair-back, of an interme-
10 diately-located head-rest, sliding hangers located between the ends of the head-rest and head-pieces and secured to the head-pieces, to which the lower side of the head-rest is

pivoted at its lower end and folding catches 9 located and folding between the ends of the 15 head-rest and the head-piece and each having a curved slot with notches and an arm 9^c, and rigid pins which engage with the catches within the slot, substantially as set forth.

In witness whereof I have affixed my sig- 20 nature in presence of two witnesses.

CHAS. A. LEE.

Witnesses:

ARTHUR W. SAVAGE,
D. H. COLEGROVE.