(No Model.)

F. H. PLUMMER.

HEAD REST.

No. 296,779. Patented Apr. 15, 1884.

Fig. 1.

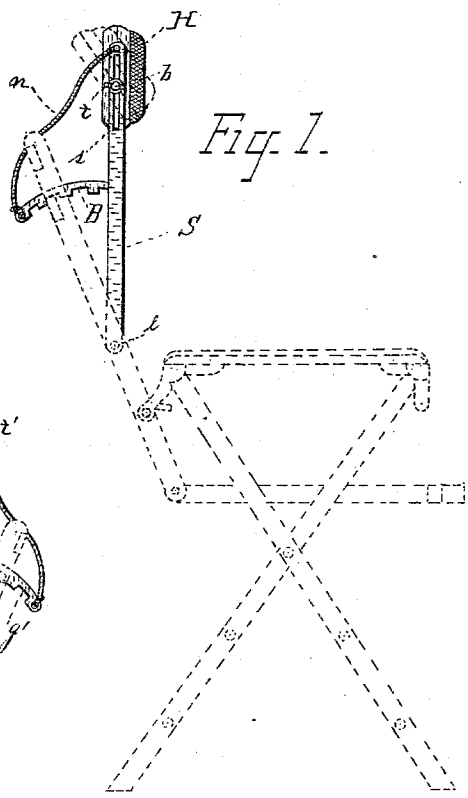


Fig. 2.

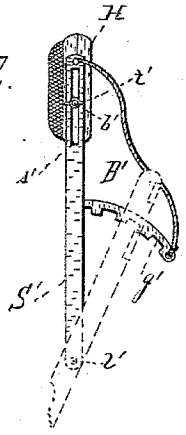
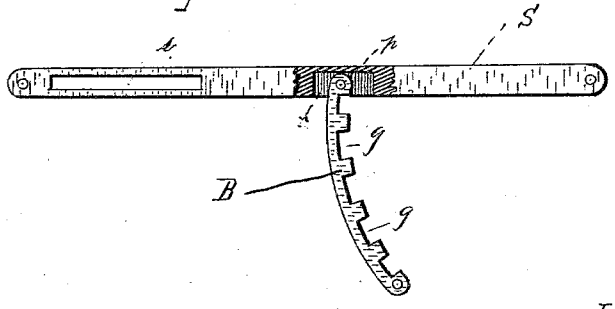


Fig. 3.



Witnesses.
W. A. Jones.
H. W. Coragin

Inventor
Frank H. Plummer
per
H. W. Coragin, Atty.

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UNITED STATES PATENT OFFICE.

FRANK H. PLUMMER, OF HENNIKER, ASSIGNOR OF ONE-HALF TO G. W. & M. L. STEARNS, OF LEBANON, NEW HAMPSHIRE.

HEAD-REST.

SPECIFICATION forming part of Letters Patent No. 296,779, dated April 15, 1884.

Application filed November 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. PLUMMER, a citizen of the United States, residing at Henniker, in the county of Merrimac and State of New Hampshire, have invented certain new and useful Improvements in Head-Rests; and I do declare the following to be a full, clear, and exact description of the invention, such as 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 letters and figures of reference marked thereon, which form a part of this specification.

The object of my invention is to provide an attachable or detachable head-rest for the back of reclining or other suitable chairs, which shall be adjustable vertically or back and forward, the head-piece being pivoted, to tip freely to any position the occupant of the chair may desire.

My invention consists in details of construction, which will be described below, and pointed out in the claims.

In the drawings, Figure 1 is a side elevation, partly in dotted lines. Fig. 2 is a side elevation of the opposite side of the head-rest, reversing the chair. Fig. 3 is a detail view of one of the side and rack bars.

Like letters refer to like parts.

The head-piece H, which may be of any proper material or upholstered, is pivoted in the slots *s s'* of the side bars, S S', by means of short bolts *b b'* on each side. Only the ends of these bolts are shown in the drawings; but they are screw-threaded to receive thumb-nuts *t t'*. The slots in the side bars are long, to permit the vertical adjustment of the head-piece to the height of the person. When the desired vertical adjustment is gained, the thumb-nuts are slightly tightened, and the head-piece is free to tip back or forward on the pivots formed by the short bolts, and when tipped to the desired position the thumb-nuts are firmly tightened. The side bars, S S', extend down from each side of the head-piece within the sides of the chair-back, and are pivoted by screws *l l'* at their lower ends. Thus said bars are free to move back and forward, or may be inserted or removed at pleasure.

Near the center of the side bars is made a recess. (See *r*, Fig. 3.) This is large enough to receive and give free play to a rack-bar, B. Said rack-bar is pivoted at *p* to move freely up and down. It is somewhat curved, and extends back to engage with the top of a cross-bar in the chair-back. As the bars B B' have several square recesses or grooves, *g g'*, on the under side, this engagement is easily effected, and in such a way as to fasten the rack and side bars in the position desired merely by raising and lowering the former by the cord *n*, attached to the ends of said bars, as shown in Figs. 1 and 2.

The chair proper is shown in dotted lines in the drawings. As this forms no part of my invention, it needs no description, and it is merely introduced to show how my head-rest is applied to a reclining-chair in the present instance.

Though I have shown the head-rest attached inside of the chair-back, it is evident that it could be placed outside; but one of the cross-bars in the chair-back would have to be extended to engage with the rack-bars.

My head-rest has the following advantages: It may be attached or removed at will by taking out the pivots at the lower ends of the side bars and loosening the cord at the end of the rack-bars. It is adjustable vertically forward and back, the head-rest proper being free at all times to be tipped, as the position of the head may require, by loosening the thumb-screws slightly. These several adjustments may be made without getting out of the chair. It may be applied to any reclining-chair, with slight alteration of the latter, if any.

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

1. The combination, with a chair, of bars pivoted at one end to the sides of the back-frame, and slotted substantially as described, a head-rest pivoted to the free ends of said bars and adjustable in the slots, as set forth, and means, substantially as described, for adjusting the inclination of said bars with re-

spect to the chair-back, as and for the purposes specified.

2. The combination of the head-rest provided with the lateral pivot-bolts *b b'* and thumb-nuts *t t'*, with the swinging side bars, S S', provided with slots *s s'*, and recesses *r*, the pivoted rack-bars B B', and the chair, as set forth.

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

FRANK H. PLUMMER.

Witnesses:
H. W. CRAGIN,
C. A. COOPER.