(Model.)

C. J. PETERSEN.

Head Rest for Chairs.

No. 238,711. Patented March 8, 1881.

Fig. 1.

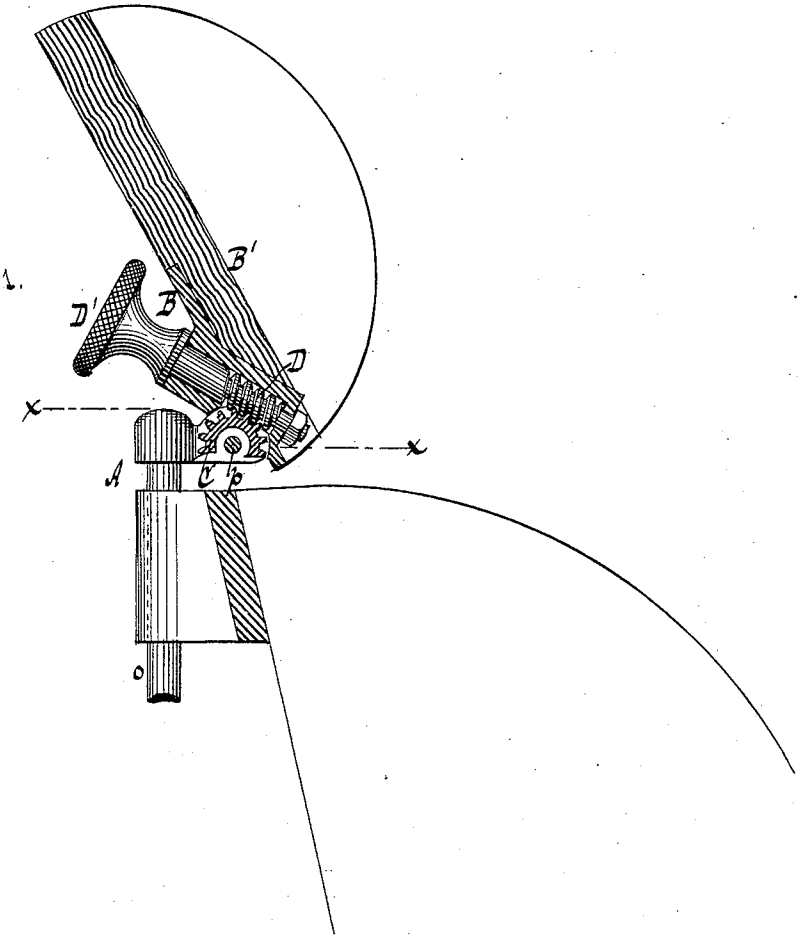
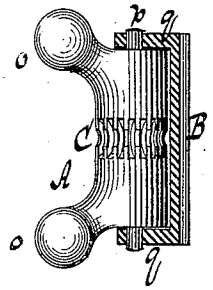


Fig. 2.



Witnesses
Otto Hupeland
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UNITED STATES PATENT OFFICE.

CHARLES J. PETERSEN, OF PORT CHESTER, ASSIGNOR TO KLINGLER & WEKERLE, OF NEW YORK, N. Y.

HEAD-REST FOR CHAIRS.

SPECIFICATION forming part of Letters Patent No. 238,711, dated March 8, 1881.

Application filed July 13, 1880. (Model.)

To all whom it may concern:

Be it known that I, CHARLES J. PETERSEN, a citizen of the United States, residing at Port Chester, in the county of Westchester and State of New York, have invented new and useful Improvements in Head-Rests for Chairs, of which the following is a specification.

This invention relates to that class of chairs in which the head-rest is adjusted to the desired angle by means of a worm which gears with a toothed segment. Heretofore the toothed segment has been connected to the head-rest and the worm passed through a horizontally-adjustable tube, to which the rest is hinged, the said tube being supported upon a vertically-adjustable standard. Under my present invention this construction is greatly simplified and cheapened by passing the worm through a bed or bracket secured to the head-rest, and hinging the said bracket to a frame which is formed with the toothed segment and supported upon vertical rods or standards which are attached to the back of the chair.

This invention is illustrated by the accompanying drawings, in which Figure 1 represents a vertical central section. Fig. 2 is a horizontal section in the line *x x*, Fig. 1.

Similar letters indicate corresponding parts.

The letter A designates the frame of the fixture. B is the rest-bracket; C, the worm-wheel segment, and D the worm.

The frame A is constructed with vertical rods *o o*, for its attachment to the back of a chair or other article of furniture, and the rest-bracket B is connected to the frame by a pivot, *p*, passing horizontally through the frame and through cheeks *q q*, formed on opposite sides of the bracket. This rest-bracket B carries a cushion or rest proper, B′.

The worm-wheel segment C is a part or fixture of the frame A, and is concentric to the pivot *p*.

The worm D is mounted on the rest-bracket B in a suitable manner to mesh with the worm-wheel segment C, as shown in Fig. 1, and on one end thereof is a head, D′, for turning the same. When the worm D is turned in one or the other direction it obtains a motion round the segment C, and, carrying with it the rest-bracket B, serves to adjust the rest in the desired position, while the worm at the same time acts as a stop for holding the rest in its position.

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

In a chair provided with a hinged adjustable head-rest, the combination, with the frame A, provided with a toothed segment and supported upon vertical rods or standards *o*, for attachment to the chair-back, of the bracket B, secured to the head-rest and hinged to the frame A, and the worm D, passing through the said bracket and engaging the toothed segment, substantially as shown and described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

CHAS. J. PETERSEN. [L. S.]

Witnesses:
W. HAUFF,
CHAS. WAHLERS.