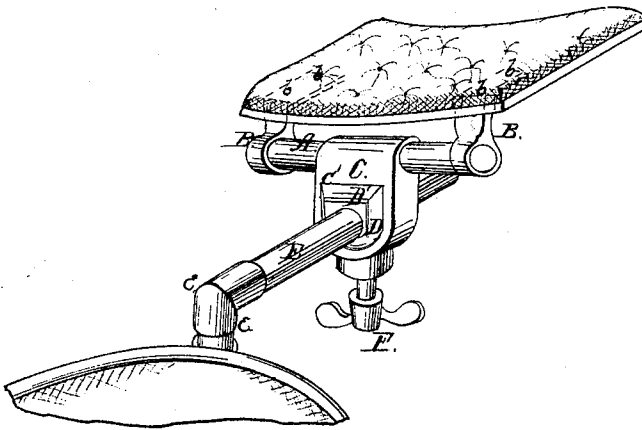


H. SNOWDEN.
HEAD REST FOR CHAIRS.

No. 69,135.

Patented Sept. 24, 1867.



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HENRY SNOWDEN, OF BALTIMORE, MARYLAND.

Letters Patent No. 69,135, dated September 24, 1867.

IMPROVED HEAD-REST FOR CHAIRS

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY SNOWDEN, of the city and county of Baltimore, and State of Maryland, have invented a new and improved Head-Rest for Chairs; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a longitudinal vertical section of my invention.

Figure 2 is a cross-section of the same.

Similar letters of reference indicate corresponding parts in the two figures.

In this invention the head-rest is supported on a universal pivot, and is fixed upon sliding adjustable rods, so as to be capable not only of turning in every direction, but also of being extended forward, backward, laterally, or vertically, and instantly clamped in the required position by a single movement of one set-screw.

In order that others skilled in the art to which my invention appertains may be enabled to make and use the same, I will proceed to describe it in detail.

In the drawings, A is a stout sliding rod or bar, smooth and round, and having attached to its extremities arms B B, to which the cushion that supports the head is fastened by means of the holes *b b*. The rod A rests in a lateral socket in the upper part of a metallic frame, C, and is capable of being moved back and forth laterally, as well as of revolving on its axis in the socket. The frame C is in the shape of a shield, and holds two stout blocks of metal D D', one placed above the other. A groove along the upper surface of the block D' forms a part of the socket in which the rod A rests, while at the centre of the line along which the two blocks touch each other is another socket, similar to the first, and at right angles with it. A stout round metallic rod or bar, E, bent at *e*, passes through this socket, as shown in the drawings, and is capable of the same motions in the socket that the bar A is capable of in its socket. The short bent vertical arm *e'* of this rod is inserted in a vertical socket in the back of the chair, and forms a pivot, on which the head-rest swings with a free horizontal motion. The blocks D D' do not entirely fill the space from the point *e* to the point *e'*, but are capable of a slight sliding motion up and down in the frame C, which is given to them by means of the set-screw F acting upward against the lower block D. When the set-screw is unscrewed the blocks will be loose in the frame, and the sockets that hold the rods E and A will be enlarged, so that the rods can be easily slid or turned as described. But by screwing up the set-screw the upper block D' is forced up against the rod A, and the lower block D is forced up against the rod E, so as to clamp both rods at the same instant.

It is evident that with this device the head-rest may be adjusted to one side or the other, and forward or backward, at pleasure, by simply sliding the rods A and E in the proper direction. The cushion against which the head rests may be rocked back or forth to any angle of inclination upon the rod A, or laterally upon the rod E, and the whole apparatus swings horizontally upon the vertical pivot *e'*, working in its socket as above explained. This arrangement gives the head-rest three primary motions besides the forward, and backward, and lateral sliding motions, by the proper combination of which motion in every direction is readily obtained. The set-screw clamps every part of the apparatus at once, instantaneously arresting every motion except that upon the pivot *e'*. This head-rest is intended to be attached to any kind of chair or seat, the back of which is not high enough to support the head, or which requires an adjustable head-rest.

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

The head-rest above described, composed of the rods A and E, frame C, movable block D, and set-screw F, having the cushion supported by the arms B B, all constructed and arranged substantially as and for the purpose specified.

HENRY SNOWDEN.

Witnesses:

CHAS. A. PETTIT,

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