

E. C. LEAHY.

HEAD REST.

APPLICATION FILED NOV. 20, 1908.

933,471.

Patented Sept. 7, 1909.

2 SHEETS—SHEET 1.

Fig. 1

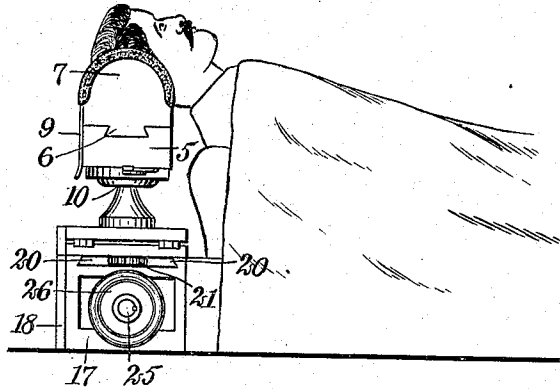


Fig. 2

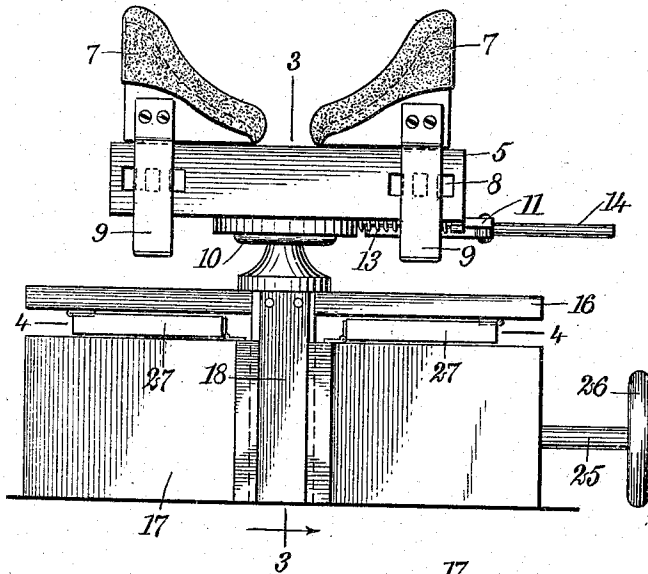
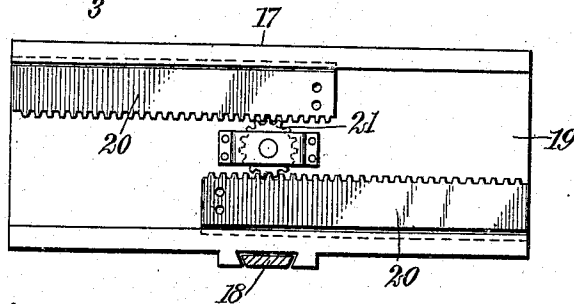
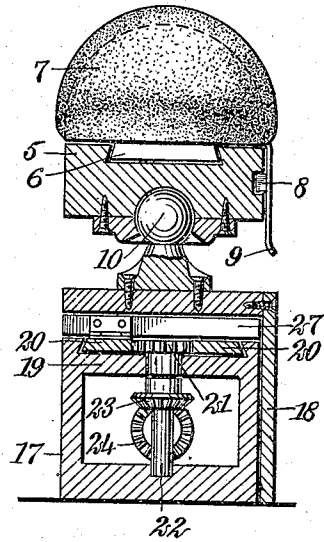


Fig. 3



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Fig. 4

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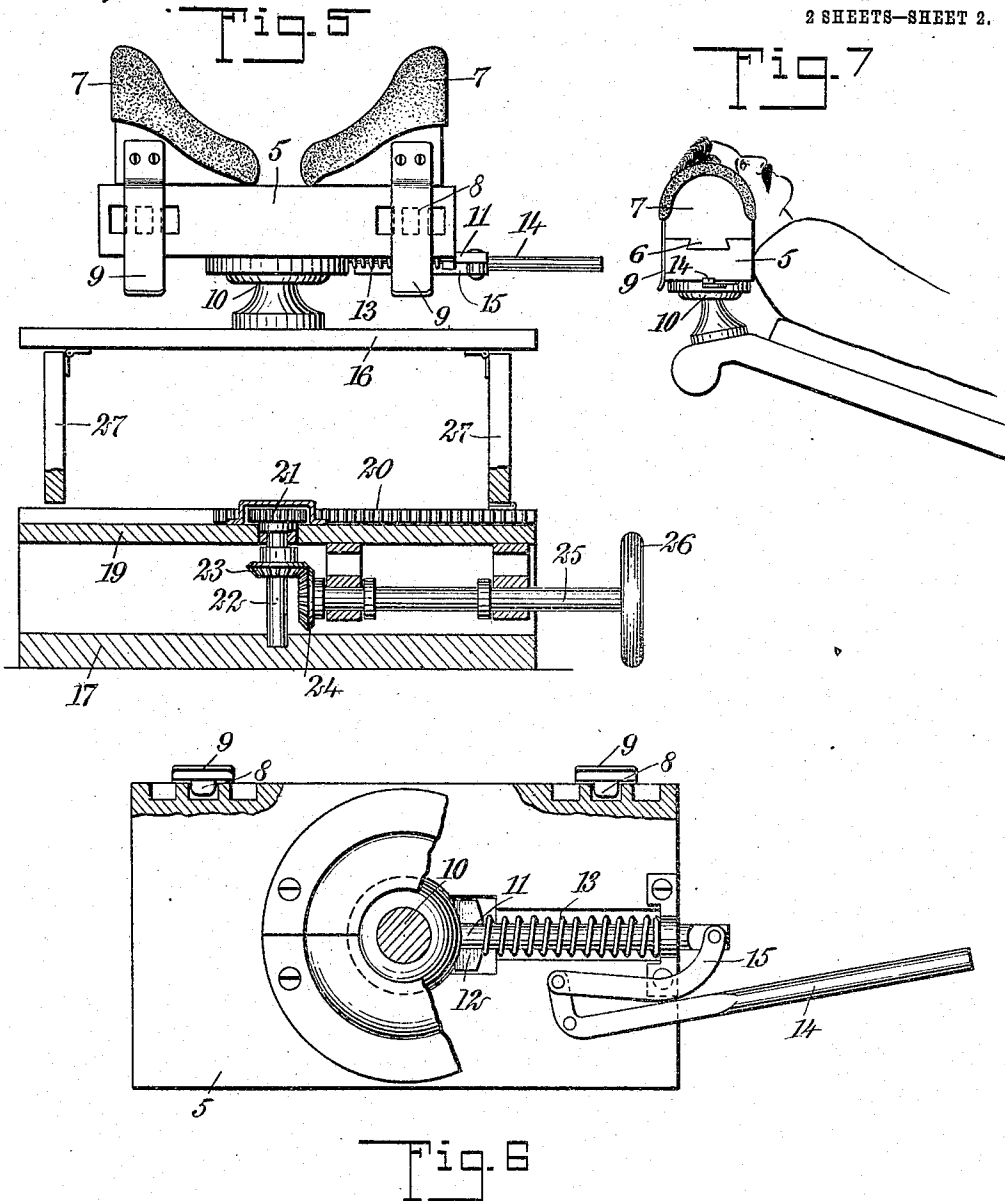
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EDWARD C. LEAHY, OF SYDNEY, NOVA SCOTIA, CANADA.

HEAD-REST.

933,471.

Specification of Letters Patent.

Patented Sept. 7, 1909.

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To all whom it may concern:

Be it known that I, EDWARD C. LEAHY, a subject of the King of Great Britain, and a resident of Sydney, Nova Scotia, Dominion of Canada, have invented a new and Improved Head-Rest, of which the following is a full, clear, and exact description.

The invention is an improved head rest for barber, parlor-car, dentist, and other like chairs, also serving as a pillow for campers, hospital patients, and for general use.

The invention when used in connection with reclining chairs consists of a head-block supported on a universal joint and having head-supports, with means for locking the joint and supports in adjusted positions; and as a pillow, the same general construction is employed and is supported on the top of a casing which is vertically adjustable relatively to the casing body.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is an end elevation of a head-rest embodying my invention when used as a pillow; Fig. 2 is an inner face view of the same; Fig. 3 is a section substantially on the line 3—3 of Fig. 2; Fig. 4 is a section on the line 4—4 of Fig. 2; Fig. 5 is a view similar to Fig. 2, showing the casing partly in central vertical section and the top thereof in an elevated position; Fig. 6 is an inverted plan of the head-block, showing the mechanism for locking the universal joint; and Fig. 7 is a view of the rest as applied to a reclining chair.

A head-block 5 has a longitudinal dove-tailed way in its upper face for receiving the counterpart portions or guides 6 of head-supports 7, these supports being shaped on their inner faces to conform to the head and are suitably upholstered. At one side of the head-block 5, notches are provided at opposite ends, which are engaged by projections 8 carried on spring plates 9, which in turn are attached to the head-supports 7 and serve to hold these supports in adjusted position. To the under face of the head-block is attached a universal joint 10, which admits of the head-block being inclined to accommodate the head, and is locked in any required position of its movement by a bolt 11, which, as best shown in

Fig. 6, has a binding shoe 12 normally forced to the ball of the joint by a spring 13, the spring and bolt being wholly or partially contained in a slot in the under side of the head-block, with the outer end of the bolt projecting through a bearing and connected to an operating lever 14 through the intermediary of a link 15.

If the head-rest is to be used in connection with a reclining chair, the base of the universal joint is attached either to the adjustable bar at the back of the chair or directly to the chair, as shown in Fig. 7. If, however, the head-rest is to be used as a pillow, the base of the universal joint is attached to the top 16 of a casing 17, the body of the casing having a vertical way at one or both sides, in which is slidable a guide 18 attached to the top 16. The upper portion of the casing has a partition 19, on the face of which is slidable at each side a rack-bar 20, the outer edge of which is dove-tailed to hold it against vertical displacement, and the inner toothed edge is engaged by a pinion 21, the latter being fixed to the upper end of a vertical shaft 22 journaled in the partition and the bottom of the casing and having a bevel pinion 23 secured thereto below the partition and engaged with a similar bevel pinion 24 carried on a shaft 25, which, as best shown in Figs. 1, 2 and 5, projects through one end of the casing, where it has an attached handwheel or other operating handle 26. Between the top of the casing and the body thereof are arranged leaves 27, each having one end hinged to one of the rack-bars, and the opposite end hinged to the top 16, the hinges being so disposed that when the handwheel 26 is operated to slide the rack-bars 20 in opposite directions through the intermediate gearing, the outer ends of the leaves will rise and elevate the top 16, thus enabling the head-block to be moved to the desired elevation.

The raising and lowering mechanism carried by the casing 17, although more especially intended for the head rest, as shown, could obviously be used with advantage for adjusting the elevation of seats of barbers', dentists', piano, and chairs in general.

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

1. In a head rest, a head block, head supports independently adjustable along the length of the block, and a spring plate to

hold each support in adjusted position, arranged at one side of the block, each spring plate having one end fixed and the opposite end free to be sprung outwardly to release
5 the support.

2. In a head rest, a head block having recesses in the side thereof, head supports independently adjustable along the length of the block, and a spring plate fixed at one side
10 of each head support and having a projection on its inner face to engage certain of said recesses in the block.

3. In a head rest, a head support, a casing having a top, guides attached to the top

and slidable in ways at the opposite sides of
15 the casing, means connecting the head support to the top of the casing, leaves hinged to the top of the casing at their outer ends, and means for sliding the inner ends of the leaves outwardly and inwardly to raise and
20 lower the head support.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWARD C. LEAHY.

Witnesses:

E. C. HANRAHAN,
ANNIE MACKENZIE.