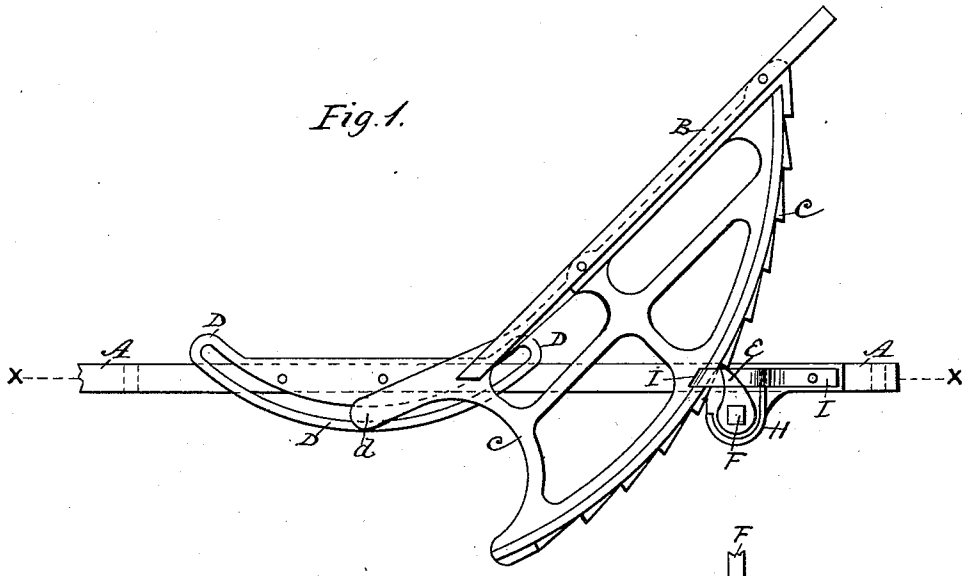
(No Model.)

W. OXLEY.

HEAD AND SHOULDER REST FOR BEDS OR LOUNGES.

No. 428,938. Patented May 27, 1890.

Fig. 1.



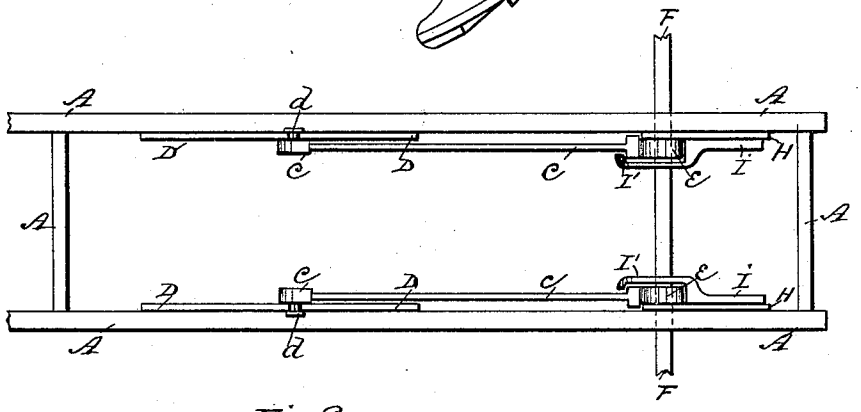


Fig. 2.

Witnesses.
Alfred Yorke
Charles Rackery.

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per his Attorney
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UNITED STATES PATENT OFFICE.

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HEAD AND SHOULDER REST FOR BEDS OR LOUNGES.

SPECIFICATION forming part of Letters Patent No. 428,938, dated May 27, 1890.

Application filed February 23, 1889. Serial No. 301,047. (No model.)

To all whom it may concern:

Be it known that I, WALTER OXLEY, a citizen of the United States, residing at Hamilton, in the county of Wentworth, in the Province of Ontario, Canada, have invented a new and useful Head and Shoulder Rest for Beds or Lounges, of which the following is a specification.

My invention relates to improvements in head and shoulder rests for beds or lounges, in which are two ratchets that move on a circle line when lifted up, and held in any required position by pawls in conjunction with a rod; and the object of my improvements is to allow the invalid to rest at any desired angle or position by means of the device hereinafter described. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the device viewed from the inside of the bed. Fig. 2 is a plan of the same through the line *x x*, showing the circular ratchets with their mechanism in the inside of the frame of the bed.

Similar letters refer to similar parts in both figures.

In the drawings, A is the frame of the bed, and is intended to fit into any ordinary bedstead.

B is the movable head part of the frame and can be elevated to any angle.

C C are circular ratchets attached to the head or movable part of the frame, the lower ends of which are attached to the stationary slotted circular guide D by means of a T-headed pin *d*, which passes through the said slots, thus holding the said ratchets in position. The pawls E E, which engage with the teeth of ratchets, are operated by the rod F when lowering the head part of the frame. The circular ratchets C C and pawls E E are kept in position by the pawl-casings H H and the guide-caps I I, thus allowing the ratchets to move freely while being operated.

When operating the head-rest, the wood frame B is lifted to any desired angle. At the same time the T-headed pins *d*, which form a part of ratchets C, slides in the circular slotted guides D, and when elevated sufficiently the pawls E on cross-rod F fit into and engage with the teeth of the metallic ratchets C and hold the same in position, thus holding the wooden head-frame B, which is screwed to the said circular ratchets. When necessary to lower the head-rest, the rod F is turned to the right, and when the pawls E are freed from the teeth of ratchets C the frame B is lowered down by hand and rests on the bed-frame A. The whole device is made of metal, excepting the frames A and B.

The ratchet-bars C of the head-rest B are held and guided in their sliding movement by means of the projecting lips on the caps I′ and the corresponding flanges of the said ratchet-bars. By this means the ratchet-bars are allowed to work freely, and at the same time are kept in position.

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

In a head and shoulder rest, the combination of the bed-frame, circular slotted guides attached to said bed-frame, circular ratchet-bars provided with guide-pins adapted to move in the circular slotted guides, each of said ratchet-bars having a longitudinal flange, a rod adapted to rest in bearings in the bed-frame, and having pawls adapted to engage with the ratchet-bars, and caps mounted on the bed-frame and adapted to engage with the flanged ratchet-bars and guide the same in their adjustment.

WALTER OXLEY.

Witnesses:
ALFRED YOUNG,
CHARLES RASBERRY.