(No Model.)

# E. BERNINGHAUS.

## BARBER'S CHAIR.

No. 358,326. Patented Feb. 22, 1887.

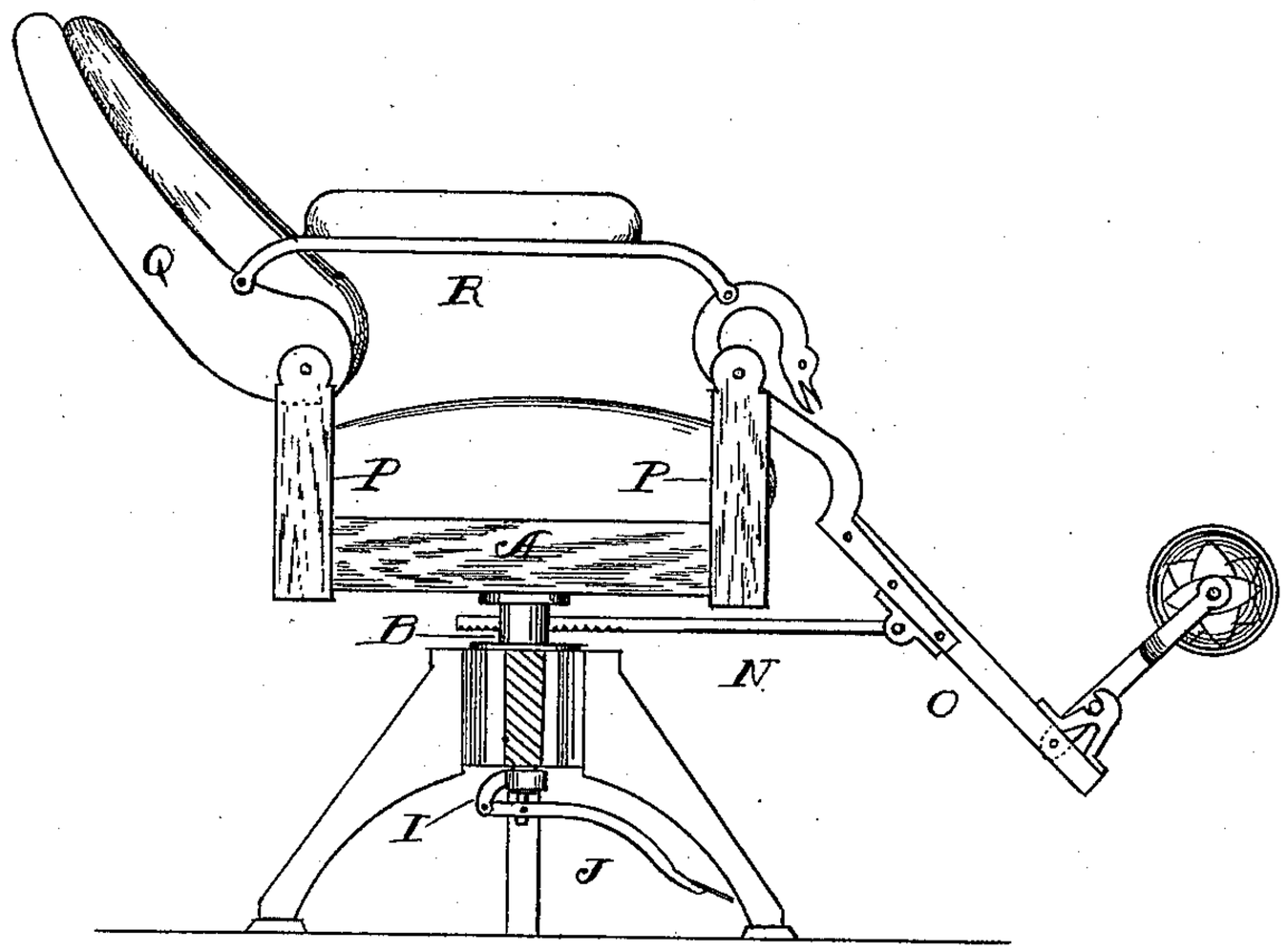


Fig. 1.

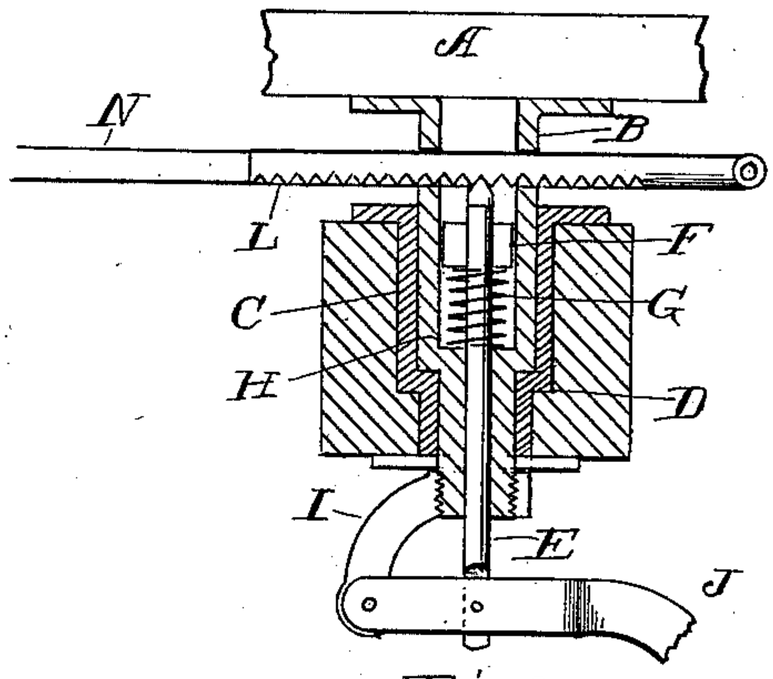


Fig. 2.

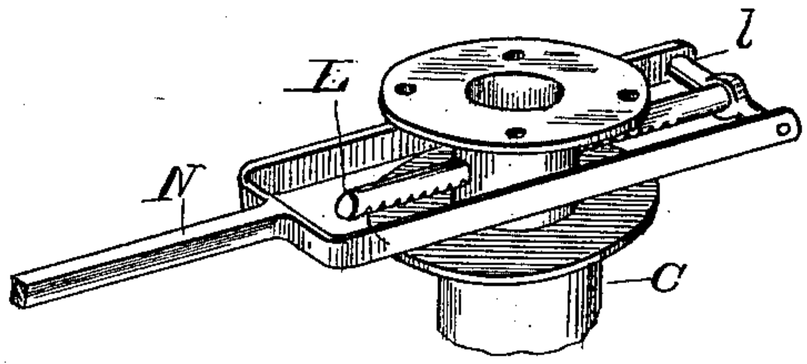


Fig. 3.

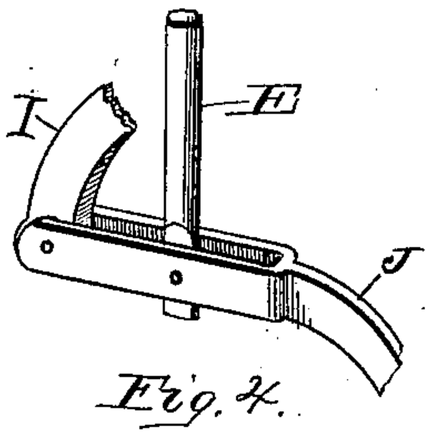


Fig. 4.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

EUGENE BERNINGHAUS, OF CINCINNATI, OHIO.

## BARBER'S CHAIR.

SPECIFICATION forming part of Letters Patent No. 358,326, dated February 22, 1887.

Application filed May 29, 1886. Serial No. 203,620. (No model.)

*To all whom it may concern:*

Be it known that I, EUGENE BERNINGHAUS, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Barber-Chairs, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a side view, partly in section, of my improved barber-chair; Fig. 2, an enlarged sectional view of the operating mechanism; Fig. 3, a perspective view of the mechanism detached, and Fig. 4 a perspective view of a section of the foot-lever detached.

My device relates to an improvement in reclining and revolving barbers' chairs so disposed that the foot and back rests may be regulated at any angle simultaneously, so that it may be placed in the most convenient position; and it consists in a foot-lever having a vertical pin hinged thereto passing up through the seat-spindle, and so disposed as to engage with a horizontal rack-bar passing through this said spindle, which has a yoke hinged thereto at one end, which projects forwardly and engages with the foot-rest. The foot and back rests are connected and hinged together by means of a horizontal arm, so that when this vertical bolt is operated by the foot-lever the foot and back rests may be inclined at any angle desired, all of which will now be fully set forth.

In the accompanying drawings, A represents the seat of my improved barber-chair having centrally beneath it the stem B, designed to be rotatable within the sleeve-bearing C, provided with the shoulders D near the lower part. This stem B is formed hollow and shouldered exteriorly, so as to rest upon the shoulders D of the sleeve-bearing C. Inside of this stem B is placed the vertical bolt E. The upper part of the central opening of the stem B is enlarged, so that a guide-collar, F, may be placed near the upper end of the bolt E, while immediately beneath is a spiral spring, G, the upper end resting against the collar, while the lower end rests upon the shoulder H of the stem. The lower end of the stem B passes downwardly through the sleeve-bearing, terminating in a thread to receive an arm, I. This arm I is provided with a lever, J, to which the lower end of the bolt E is attached, and the outer end of this lever J is provided with a foot-rest, K, by means of which the said lever may be operated. The upper end of the bolt E is pointed and somewhat flattened, and so disposed as to engage with a horizontal rack-bar, L, passing through an opening, M, near the upper end of the seat-stem B. One end, *l*, of this rack-bar L is formed T-shaped to which are hinged the arms of a yoke, N, the said arms of this yoke so disposed as to be nearly parallel with the rack-bar L, and pass on either side of the seat-stem B, and connect at its forward end with the under side of the foot-rest O. The upper end of the foot-rest O is hinged to the vertical standard P at the side of the chair-seat. The back Q is hinged at its lower end to the rear standard, P, while the said foot-rest O and back Q are connected together by means of a horizontal arm, R, so that they may be inclined at the same relative angle.

To operate this part of my device the foot is pressed down upon the lever J, which disengages the upper end of the bolt E from the horizontal rack-bar L. This permits of the inclination of the foot-rest O and back Q to any angle desired, so as to place the occupant of the chair in either a recumbent or sitting position. When these parts are placed in the desired angle, the foot is removed from the lever J, and the tension of the spring G causes the bolt E to engage with the lower side of the rack-bar L.

Having described my invention, what I claim as new is—

1. In a reclining and revolving barber-chair, the seat-stem rotating within the sleeve-bearing having centrally a vertical bolt, E, disposed as to engage at its pointed upper end with a horizontal rack-bar pivoted to a yoke which yoke is also pivoted to the foot-rest, so that it may be inclined at any angle, substantially as herein set forth.

2. The combination of the back Q and foot-rest O, each pivoted to the standard on the seat and to the arms R and thereby connected together, with the yoke N, pivoted to the foot-rest, the horizontal rack-bar L, pivoted to the yoke, and the vertical and pointed bolt E, adapted to engage with the notches in sa

rack-bar, and attached at its lower end to the lever J, substantially as described, whereby the back and foot-rest may simultaneously be raised or lowered.

3. The sleeve-bearing C, having the shoulder D and the seat-stem B therein, shouldered to engage upon the shoulder of the sleeve-bearing of the supporting-pedestal, and connected by a screw-thread at its lower end, combined with the arm I, the lever J, the vertical and pointed bolt E, extending up through said stem and provided with the collar F, and the spring G, located inside the stem between said collar and the shoulder of the stem, and the rack-bar L, upon which the said bolt is adapted to engage, said bar being pivoted in the yoke N, which is in turn pivoted to the foot-rest, all substantially as described.

4. The combination of the back Q and the foot-rest O, each pivoted at one end to and connected together by the chair-arm R, and also pivoted to the chair-standards P, the yoke N beneath the seat and connected at one end to the foot-rest, the chair-pedestal having the sleeved bearing, the rack-bar *n*, pivoted in said yoke, the hollow stem B, having within it the vertical and pointed bolt E and screw-threaded at its lower end to the arm I, and the lever J, all substantially as and for the purposes set forth.

5. The combination, in a barber's chair, of the seat A, the hollow and shouldered stem thereof, the chair-pedestal, the foot-rest O, the shouldered sleeve C about said stem, the vertical and pointed bolt E, actuated by a lever, the pivoted rack-bar L, and its yoke N, pivoted to the foot-rest, whereby the foot-rest may be held at any desired position, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand, this 17th day of April, 1886, in the presence of witnesses.

EUGENE BERNINGHAUS.

Witnesses:

HENRY J. HARROP,

C. D. ZERBE.