J. V. MEIGS.

Chair.

No. 160,934. Patented March 16, 1875.

Fig 1.

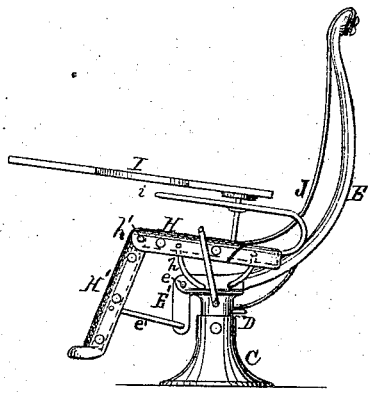


Fig 2.

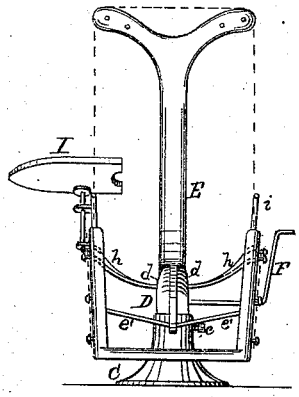
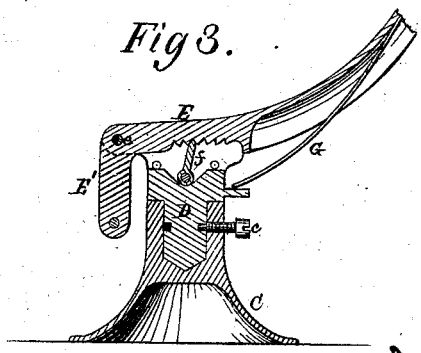


Fig 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOE V. MEIGS, OF LOWELL, MASSACHUSETTS.

IMPROVEMENT IN CHAIRS.

Specification forming part of Letters Patent No. **160,934**, dated March 16, 1875; application filed May 16, 1874.

To all whom it may concern:

Be it known that I, JOE V. MEIGS, of Lowell, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Chairs, of which the following is a specification:

My invention relates to such seats as are covered with flexible bottoms and backs.

The subject-matter claimed will hereinafter be set forth.

In the accompanying drawings, Figure 1 represents a side elevation; Fig. 2, a front view; and Fig. 3, a vertical longitudinal section through my improved chair.

A tubular base, C, which, in this instance, is secured to the floor, but which obviously may be so constructed as to be movable, receives a turning post, D, having an annular groove in it. A set-screw, *c*, passes through the base into this groove, and thus locks the post in its socket in the base, while leaving it free to turn therein. An elevating-screw may be used instead of this turning post. The head *d* of the post is bifurcated longitudinally to receive a curved back-iron, E, of the form shown in the drawings, which piece is secured to the front of the jaws of the post by a pivot, *e*, which permits it to rock vertically between said jaws. A pawl, *f*, pivoted in a recess in the top of the post, Fig. 3, takes into a rack on the under side of the back-iron and holds it in the desired position. The inclination of the back-iron may readily be adjusted by means of the pawl and rack and a crank-arm, F, Fig. 2, attached to, or forming part of, the pivot-rod, on which the pawl is secured, and projecting on one side of the seat.

When the seat is to be adjusted the back-iron is raised to allow the pawl to be rocked by the crank-arm to the desired position, when the back-iron is lowered until the pawl takes into the teeth of the rack.

A spring, G, secured to the under side of the back-iron, abuts against a stop on the post, and, by its resilience, tends to hold up the back of the seat. An elbow, E′, on the back-iron is connected, by links *e′*, to a foot-frame, H′, hinged at *h′* to side rails H, constituting the seat-frame, rigidly connected with the post D by braces *h*, by which means the foot-piece and back-iron are simultaneously adjusted. The chair may be provided with arms *i*, over which cushions can be slipped, and with brackets or supports for a table, I. The chair is covered by a canvas or other flexible cover, J, secured by hooks or other suitable fastenings, so as to be stretched across the seat-frame at its front and backward a portion of the depth of the seat, and loose toward and at the back. A roller or pad may be attached to the cover, if desired, to support, in weak persons, with pressure, the small part of the back. The seat can turn freely horizontally, and the slope of the back can readily be adjusted, and with it the loose portion of the seat-cover.

The top of the back-iron, it will be observed, (see Fig. 2,) is forked, and the cover being stretched between the arms of the fork, no part of the head comes in contact with the iron, but rests easily upon the cloth, leather, or other suitable material composing the cover.

I claim as my invention—

1. The combination of the base, the post mounted therein, the back-iron pivoted to the front of the post, the seat-frame, the flexible cover connecting the seat-frame and back-iron, and the pawl and rack for adjusting the back-iron and seat-cover independently of the seat-frame, substantially as and for the purpose set forth.

2. The combination of the base, the post, the back-iron pivoted on the post beneath the seat-frame, the pawl and rack for adjusting the back-iron, and the spring G, for elevating the back-iron and adjusting the seat-cover, these parts being constructed and operating substantially as and for the purpose set forth.

3. The combination of the seat-frame, the arms secured thereto, the adjustable back-iron, the flexible seat-cover secured to the seat-frame and back-iron, and the foot-rest pivoted to the seat-frame and connected with the back-iron, these parts being constructed substantially as set forth, whereby the back-

iron, the seat-cover, and the foot-rest are adjustable independently of the seat-frame and arm-rests.

4. The combination of the seat-frame, the adjustable curved back-iron, bifurcated at its upper end, and the flexible seat-cover extending from the seat-frame to the upper bifurcated end of the back-iron, as described, forming in its continuity a seat, a back-support, and a head-rest, as set forth.

In testimony whereof I have hereunto subscribed my name.

JOE V. MEIGS.

Witnesses:

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