

Leidecker & Cron,

Barbers' Chair.

N^o 83,644.

Patented Nov. 3, 1868.

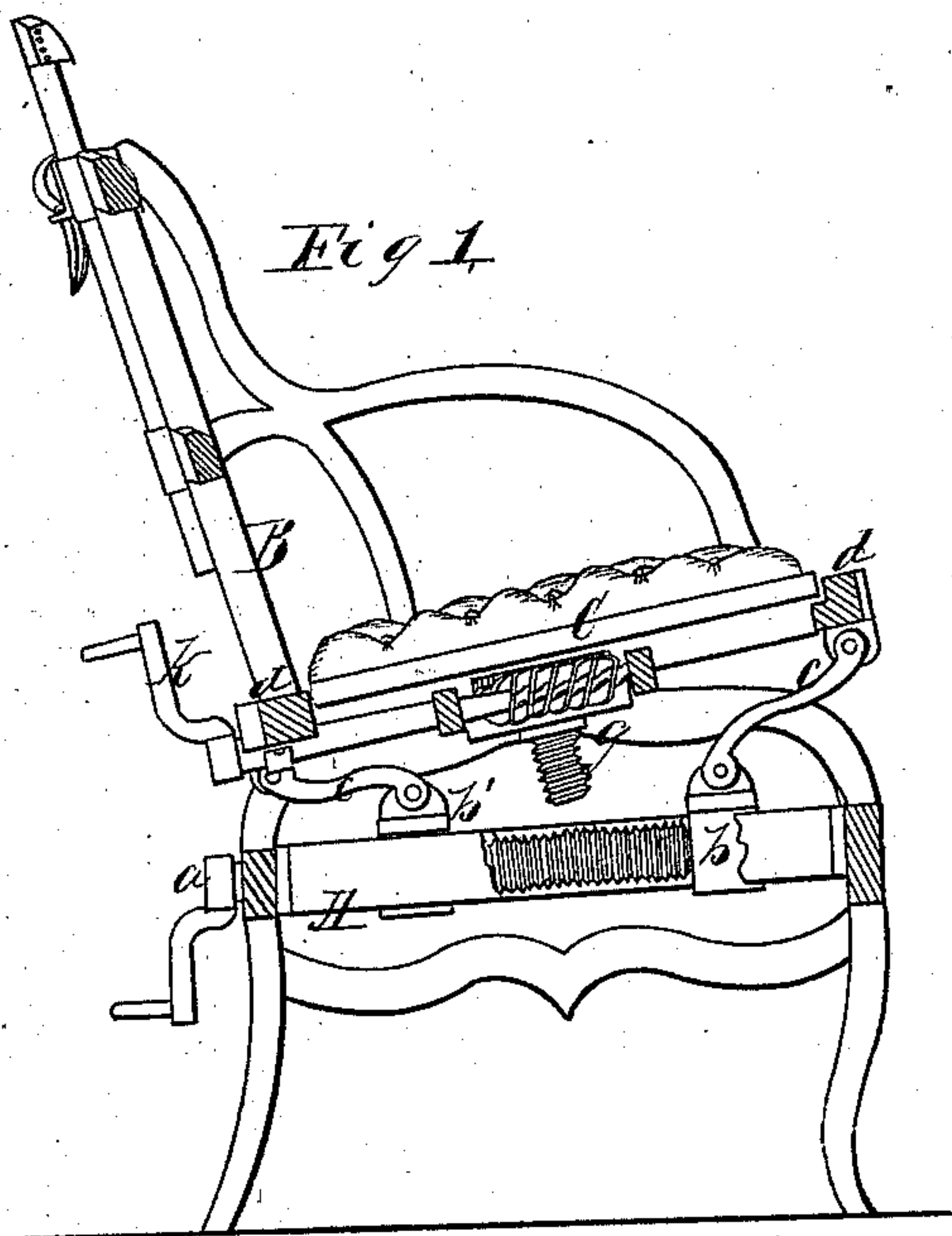
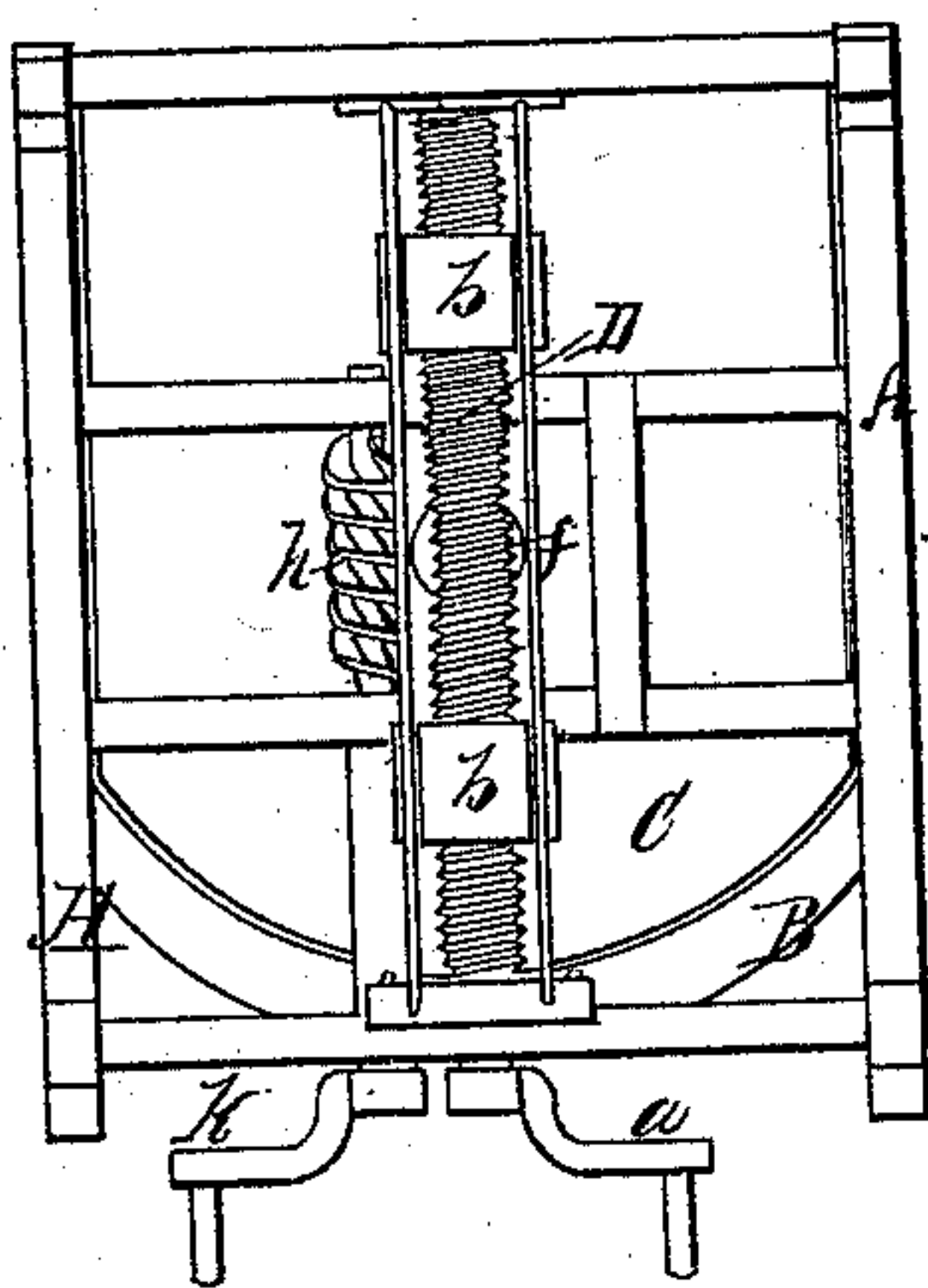


Fig 2.



*Witnesses,
W J Chambelain
J B Drull*

*Inventors,
Michael Leidecker
Philip Cron
J F Mason & Co
Attys*



MICHAEL LEIDECKER AND PHILIP CRON, OF ROCHESTER, NEW YORK.

Letters Patent No. 83,644, dated November 3, 1868.

IMPROVED BARBER AND DENTAL CHAIR.

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

To all whom it may concern:

Be it known that we, MICHAEL LEIDECKER and PHILIP CRON, both of the city of Rochester, county of Monroe, and State of New York, have invented a certain new and useful Improvement in Barber and Dental Chairs; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a sectional elevation, and

Figure 2, a bottom-view of our improved chair.

Like letters of reference indicate corresponding parts in both figures.

Our invention consists of the arrangement, in the chair, of toggles, acted upon by a screw, for inclining the chair back and forward, and a worm and screw for elevating the loose seat, all as hereinafter described.

In the drawings, A indicates the usual stationary frame of the chair, B the adjustable back, and C the loose seat.

In the stationary frame, is centrally located a screw, D, turned by a crank, *a*, in the rear. On this screw, at front and rear, rest nuts or sockets *b b*, having toggle-arms or levers *c c*, which connect respectively with the front and rear portions of the base of back B. As these nuts receive an equal motion on the screw, it will be seen that, when the latter is turned, in one direction or the other, the back of the chair will be inclined forward or back.

The seat C fits loosely in the seat-frame *d*, so as to be adjusted vertically at pleasure. It has attached centrally, to the under side, a fixed screw, *f*, resting in a turning-nut, *g*, which receives motion by a worm, *h*, which engages a cog-gear, *i*, on its surface. The shaft of worm *h* receives motion by crank *k*. By this means, it will be seen that the seat may be elevated or depressed at pleasure.

This combined means of inclining the chair and raising the seat is different from any other with which we are acquainted. In most chairs, the inclination is adjusted by a foot-lever, and the parts are liable to disengagement. In ours, there can be no difficulty of this kind, since the nuts *b b* can never get loose from the screw, and the toggles *c c* connect said nuts fast with the chair. The threads of the screw, when made of a sharp pitch, produce the necessary adjustment with but few turns of the crank. An especial advantage of this arrangement is that the toggles brace the chair, both at front and rear, and hence the strain or leverage is not so great as where it comes upon the centre, as in other devices.

The loose seat C, with its vertical adjustment by screw *f* and worm *h*, so far as we are aware, has never before been combined in a chair with an adjustable back, although stools and chairs, in which the whole upper part of the chair, seat and all, adjusts higher and lower, have been long in use. In ours, it will be noticed that the seat only adjusts up and down, while the back remains stationary, except in its forward and backward adjustment.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combined arrangement of the screw D, nuts *b b*, and toggles *c c*, for producing the backward and forward adjustment of the chair, and the worm *h*, nut *g*, and screw *f*, for producing the vertical adjustment of the seat, independent of the chair, as herein set forth.

In witness whereof, we have hereunto signed our names in the presence of two subscribing witnesses.

MICHAEL LEIDECKER.
PH. CRON.

Witnesses:

R. F. OSGOOD,
CHARLES ENGEERT.