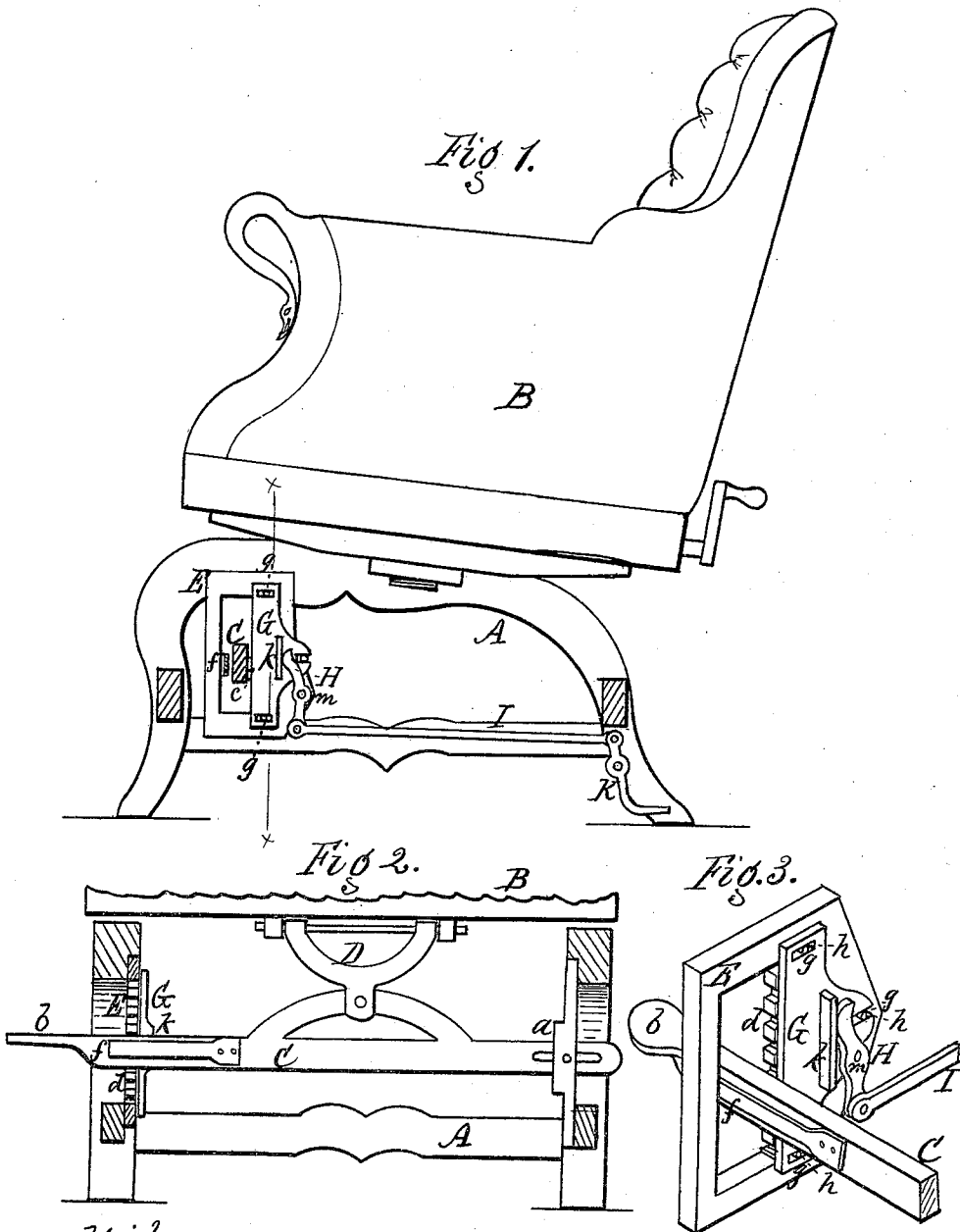


G. W. ARCHER.

Barbers' and Dentists' Chairs.

No. 148,644.

Patented March 17, 1874.



Witnesses.

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UNITED STATES PATENT OFFICE.

GEORGE W. ARCHER, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN BARBERS' AND DENTISTS' CHAIRS.

Specification forming part of Letters Patent No. 148,644, dated March 17, 1874; application filed February 2, 1874.

To all whom it may concern:

Be it known that I, GEORGE W. ARCHER, of the city of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Barber and Dental Chairs; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

My invention relates to the attachment for adjusting the chair to different angles; and consists in combining with the ordinary side attachment a rear attachment, so arranged that the adjustment may be accomplished either at the side or rear, as hereinafter described.

In the drawings, Figure 1 is an elevation, the lower part in section. Fig. 2 is a section in line *xx*, Fig. 1. Fig. 3 is a perspective view of the adjusting attachment.

A represents the base, and B the body, of an ordinary barber's chair. The body is jointed to the base in such a manner that it may be adjusted back to any desired position. C is a lever, having its fulcrum at *a*, and projecting, at the opposite end, through the side of the chair, where it is provided with a treadle, *b*. This lever is connected with the bottom of the chair-body through the medium of a yoke, D, which is pivoted to the two parts, as shown in Fig. 2. The treadle end of the lever passes through a slotted plate, E, and has a tooth, *c*, Fig. 1, which engages with any of a series of vertical teeth, *d d*, of the plate, being pressed into engagement by a spring, *f*.

The angle of the chair is changed by simply pressing the foot upon the treadle, so as to disengage the lever from the rack, and turning the chair by the hand.

Thus far the construction is the same as now in use by me. I combine with this arrangement the following: G is a vertical plate,

plate E, and the outer edge of which coincides with, but lies back of, the rack *d*. This plate has cross-slots or guides *g g*, in which rest pins or lugs *h h* of the plate E, so that the plate G can move forward and backward. It also has a bearing, *k*, against which rests a cam, H. This cam is pivoted at *m*, and to its lower end is attached a connecting-rod, I, extending to the rear of the chair, and connecting with a pivoted foot-treadle, K. (Shown in Fig. 1.)

By pressing the foot on treadle K, the rod I will be drawn endwise, thereby throwing the cam H, and, consequently, pushing the plate G against the lever C sufficiently to disengage the latter from the rack *d*, in which case the chair-body can be adjusted forward or back by the hand.

The novelty in this case consists in the combination of the rear attachment with the front attachment, by which the chair may be adjusted either at the rear or on the side, which is a great advantage to barbers and dentists. Both attachments allow the interlocking with the single rack *d*, so that the device is simple and compact.

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

1. The combination, with the lever C, of the plate G, cam *k*, and connecting-rod I, for producing the adjustment either at the rear or side of the chair, as described.

2. The combination, with the rack *d*, of the lever C and the sliding plate G, as and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

GEORGE W. ARCHER.

Witnesses:

R. F. OSGOOD,
W. A. LODER.