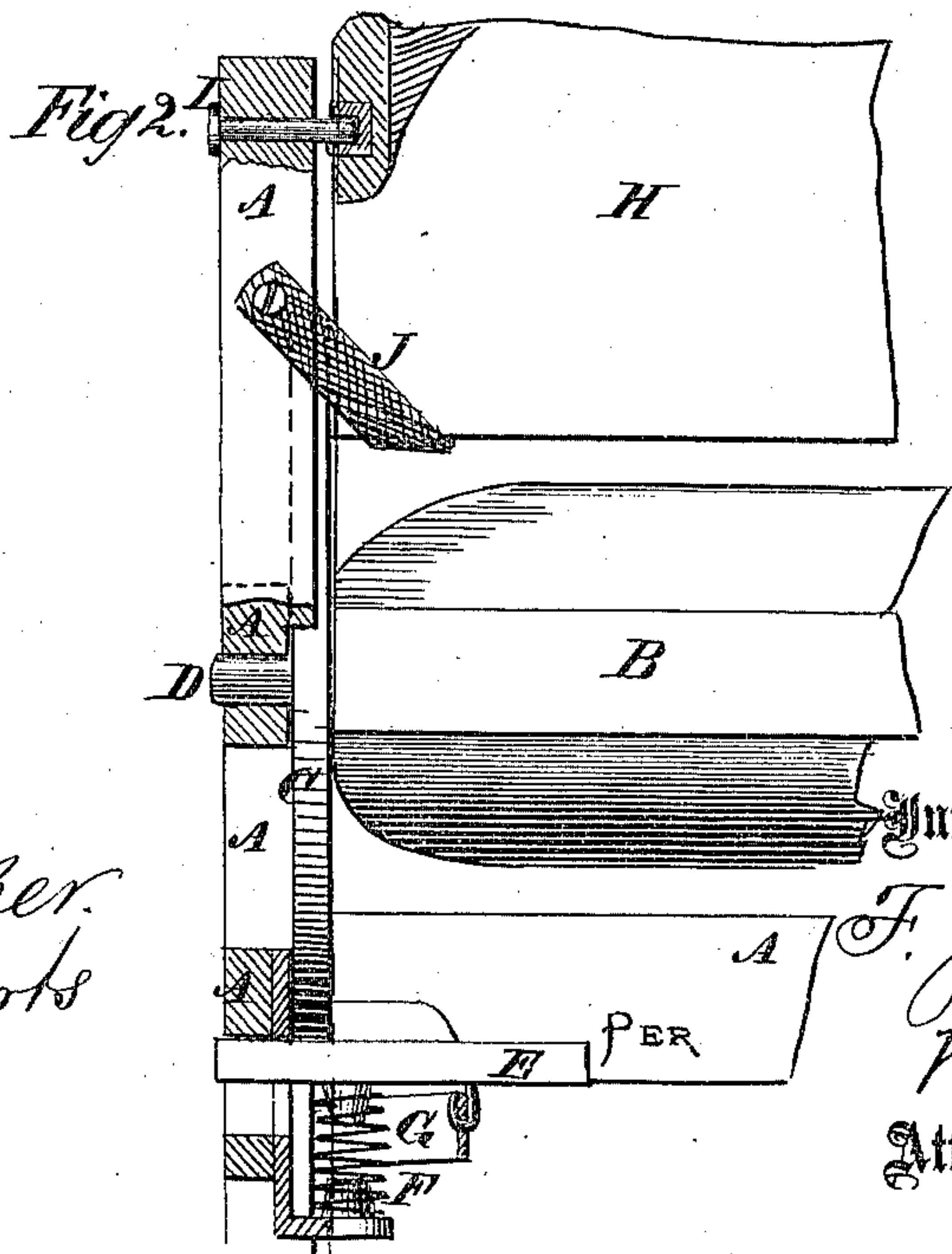
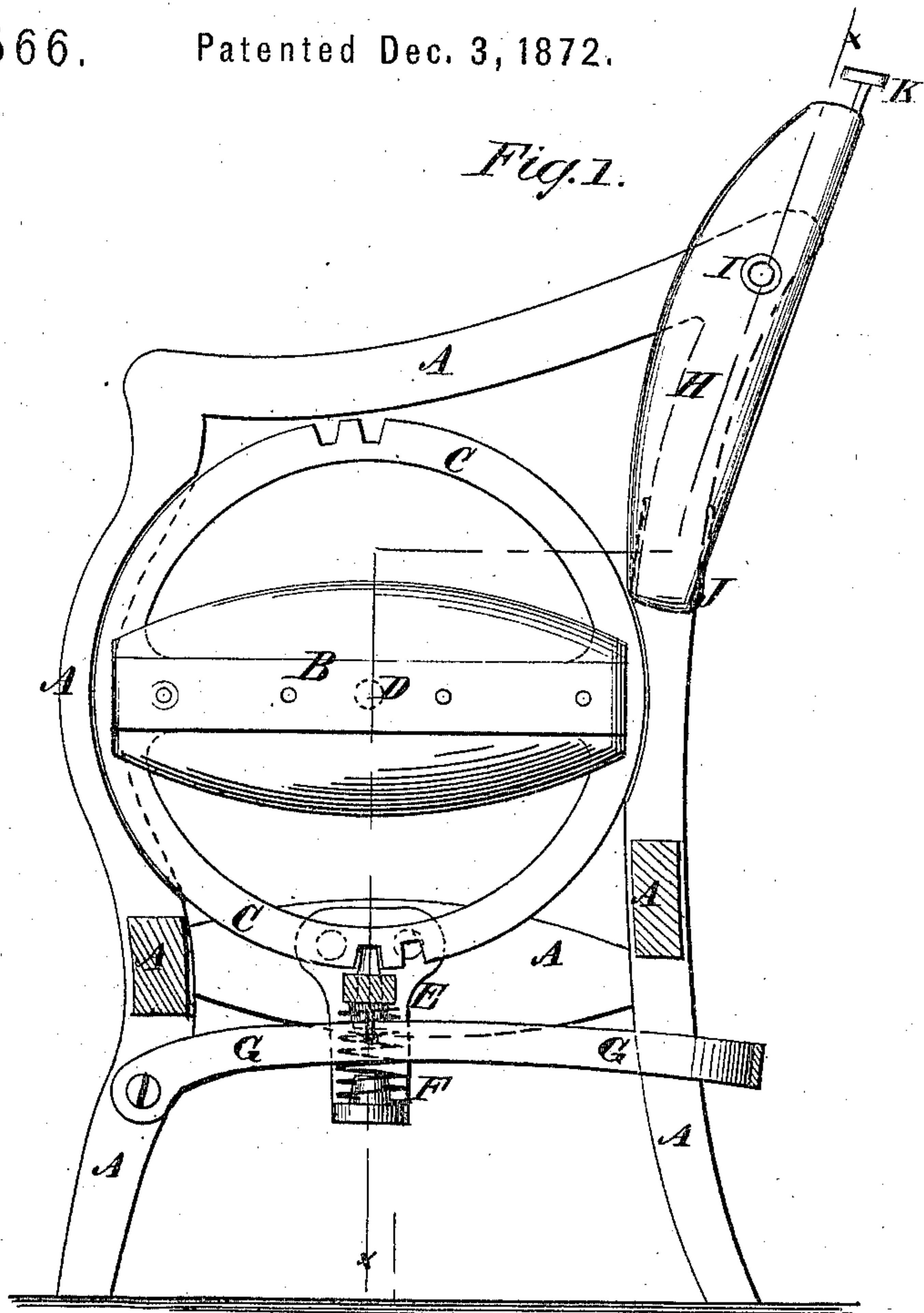


F. J. COATES.
Barbers' Chairs.

No. 133,566.

Patented Dec. 3, 1872.



Witnesses:

John Becker.
Alex F. Roberts

Inventor:

F. J. Coates

Attorneys.

UNITED STATES PATENT OFFICE.

FRANCIS J. COATES, OF CINCINNATI, OHIO.

IMPROVEMENT IN BARBERS' CHAIRS.

Specification forming part of Letters Patent No. 133,566, dated December 3, 1872.

To all whom it may concern:

Be it known that I, FRANCIS J. COATES, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Adjustable and Reversible Barbers' Chair, of which the following is a specification:

Figure 1 is a side view of my improved chair, one side of the frame and one circle being removed. Fig. 2 is a detail sectional view of the same taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved barbers' chair; and it consists in the arrangement of devices so that by operating a foot-lever the seat may be reversed when it has become warm from use, or set at different angles when desired, and so that the pivoted back will adjust itself to the angle or position of the seat and the back of the sitter, as hereinafter described.

A represents the frame-work of the chair, about the construction of which there is nothing new. B is the seat, which is upholstered upon both sides. C are two circles or ring-plates, which are made with cross-bars passing across their centers, and which are securely attached to the ends of the seat B. To the centers of the cross-bars of the circles C are attached or upon them are formed gudgeons D, which enter bearings in the side bars of the frame A, as shown in Fig. 2. Upon the outer edges of the circles C, upon the opposite sides of the seat B, are formed two or more notches to receive the tongues or teeth formed upon the upper sides of the opposite ends of the bar E, the ends of which move up and down in short vertical slots in the lower side bars of the frame A. The bar E is held up so that its teeth may

engage with the notches of the circles C by coiled springs F placed beneath said bar, and the ends of which rest upon steps attached to the lower side bars of the frame A. G is a foot-lever, which is represented in the drawing as being made in the form of a bow, but the form of which is immaterial. The forward ends of the foot-lever G are pivoted to the lower part of the forward legs of the frame A. The lever G is connected with the end parts of the bar E, and its rear part extends back into such a position that it can be readily reached and operated by the barber with his foot to draw down the bar E and release the circles C, allowing the seat B to be reversed by hand. H is the back of the chair, to the ends of which are attached gudgeons I, which work in holes in the frame A. To the lower corners of the back H are attached rubber or other springs J, which springs are also connected with the frame of the chair, so that the chair-back H may adjust itself to the back of the sitter whether he be sitting erect or reclining. The back H is provided with a head-rest, K, in the ordinary manner.

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

1. The notched circles C, toothed cross-bars E, springs F, and foot-lever G, in combination with the pivoted seat B and frame A of a barber's chair, substantially as herein shown and described, and for the purpose set forth.

2. In combination with the pivoted seat B, the pivoted back H and springs J J, as shown and described.

FRANCIS J. COATES.

Witnesses:

FRANK HASSELBECK,
ISAAC TREAT.