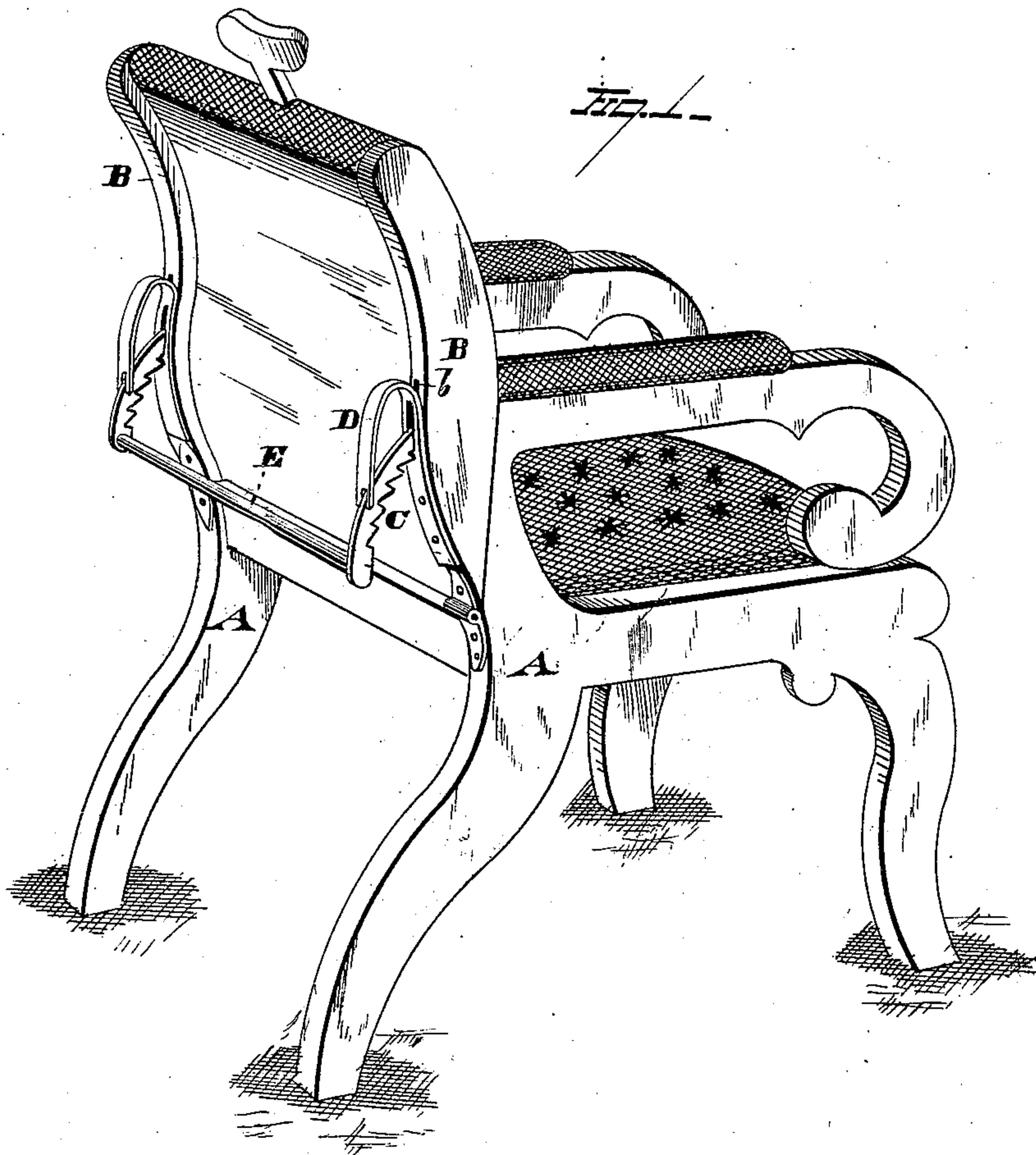


J. W. COFFEY.
Barber's Chair.

No. 207,593.

Patented Sept. 3, 1878.



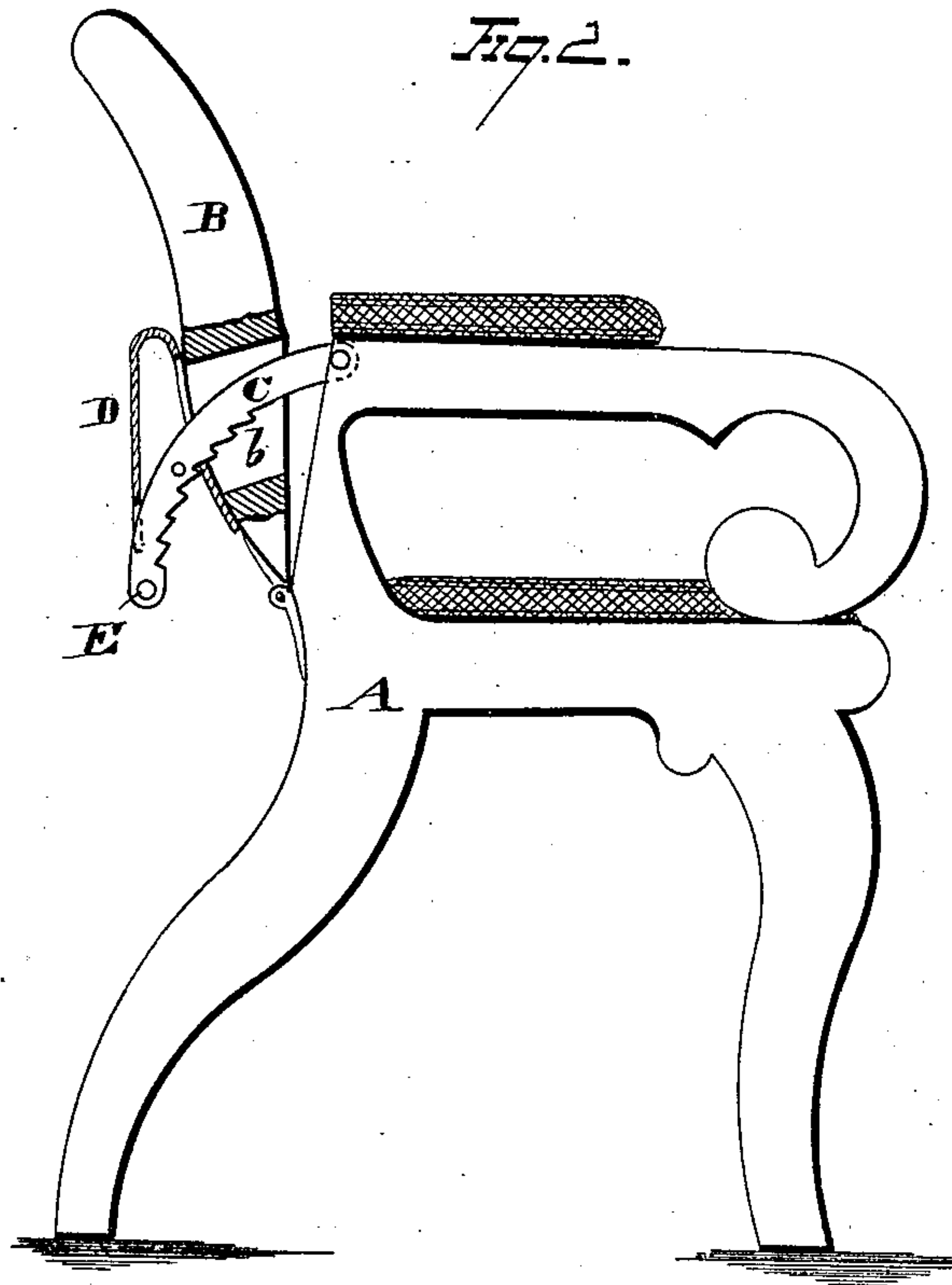
WITNESSES
Ed J. Nottingham
A W Bright

INVENTOR
John W. Coffey
By *H A Seymour*
ATTORNEY

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UNITED STATES PATENT OFFICE.

JOHN W. COFFEY, OF WASHINGTON, IOWA.

IMPROVEMENT IN BARBERS' CHAIRS.

Specification forming part of Letters Patent No. **207,593**, dated September 3, 1878; application filed February 13, 1878.

To all whom it may concern:

Be it known that I, JOHN W. COFFEY, of Washington, in the county of Washington and State of Iowa, have invented certain new and useful Improvements in Barbers' Chairs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to improvements in barbers' chairs; and consists in a construction as follows: Each of the two rear standards or back supports is made in two parts, the upper one of which is adapted to be adjusted at any desired inclination to the vertical by the engagement of a segment-rack and a spring-pawl. It is hinged to the stationary support, and is provided with a slot, through which a metallic segment-rack passes rearward. This rack is pivoted to the stationary support, and engages with a pawl which is secured to the outer side of the adjustable support. The curved form of the pawl adapts its free end to act as a spring-pressure piece, having bearing upon the upper edge of the rack, and thus the two are kept in spring-pressed engagement with each other. A rear transverse rod connects the free extremities of these two side racks, so that by a single movement both of the adjusting back-supports are operated, and the entire upper portion of the chair-back is adjusted.

Referring to the drawings, Figure 1 is a view, in rear perspective, of a chair embodying my invention. Fig. 2 is a view in side elevation, showing parts in broken section.

The two rear standards or back-supports of the chair are respectively made with the lower fixed or stationary part, A, and the upper adjustable part, B. The two are formed with tapering or inclining joining parts, and suitably hinged or connected together, so as to permit of the free movement in a vertical plane of the upper adjusting back-support. The latter is formed with the slot *b*, through which the segment-rack C passes, and is provided with the spring-pawl D, which is secured to its outer side. This pawl is also slotted in a vertical line, and in this slot the segment-rack works. The lower transverse side or wall of the slot engages with the interdental spaces of the lower side or edge of the rack, and serves to maintain the adjustable back-

support in any desired angle of vertical inclination.

The upper or free extremity of the spring-metal pawl is curved rearward in a return-bend, and provided with a notched or bifurcated end, which latter fits over the upper curved edge of the rack, and has free bearing thereon. Its tendency is to press the rack downward as the latter swings upon its pivotal connection with the stationary back-support, and thus hold the rack in engagement with that portion of the spring-pressure piece which acts as a pawl therewith.

The rear transverse rod, E, connects the free extremities of the two racks, respectively formed on both sides of the chair, and provides means whereby the said racks can be disengaged from their pawls, so as to adjust the upper portion of the chair's back by a single movement.

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

1. In a barber's chair, the combination, with the rack pivoted to the stationary back-support, of the curved pawl, which is secured to the adjustable back-support, and whose free extremity is adapted to have free spring-pressed bearing on the said rack, substantially as set forth.

2. In the barber's chair, the combination, with the segmental racks pivoted to the stationary back-supports, and having their outer ends connected by a transverse hand rod or bar, of the pawls secured to the adjustable back-supports, the free extremities of said pawls being curved rearward and downward, and having free sliding bearing upon their respectively engaging racks, substantially as set forth.

3. The combination, with the segment-rack pivoted to the stationary back-support and passing through the slotted adjustable support, of the curved metallic spring-pawl, formed with a central slotted body and a notched free extremity, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 7th day of February, 1878.

JOHN W. COFFEY.

Witnesses:

R. DEWEY,
JOHN RUFF.