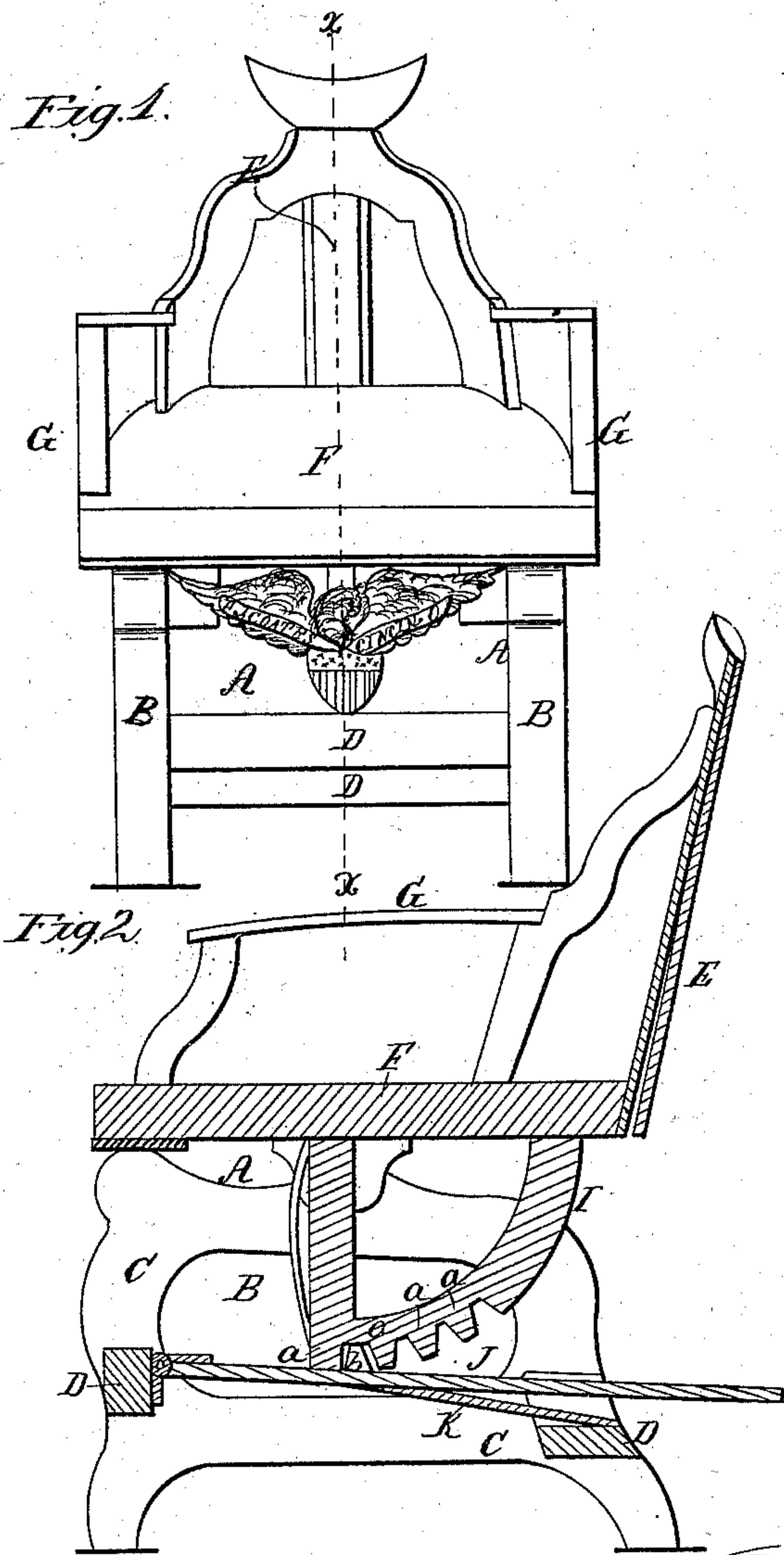


*F. J. Coates,*

*Reclining Chair,*

*N<sup>o</sup> 67,956,*

*Patented Aug. 20, 1867.*



*Witnesses;*  
*Theo Fische*  
*Wm Fison*

*F. J. Coates*  
*Per my atty*  
*Attorney*

# United States Patent Office.

FRANCIS J. COATES, OF CINCINNATI, OHIO.

*Letters Patent No. 67,956, dated August 20, 1867.*

## IMPROVED 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 I, FRANCIS J. COATES, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and useful Improvement in Chairs; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The chair embraced in the present invention has its seat and back so hung to the frame forming the legs that the back can be brought to a greater or lesser angle of inclination, and there secured or held, according as may be found necessary or desirable, the chair being especially designed for use as a barber's or hair-dresser's chair. In the accompanying plate of drawings my improvement in chairs is illustrated—

Figure 1 being an elevation of the same from the front side, and

Figure 2 a vertical section taken in the plane of the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

A, in the drawings, represents the frame to the chair, which forms its supporting legs B. This frame consists of two side frames, C, joined together by cross-pieces or rounds, D, at suitable points. E, the back to the chair, and F its seat, the back being secured to the seat and extended around thereon so as to form arms G, and the seat being hung by pivots of the brackets H upon its under side, to and between the side frames C of the chair. I, a quadrant-shaped sector fixed to the under side of seat to the chair. This sector is toothed around its circular edge, and with the teeth *a* engages the tooth or prong *b* upon the upper side of a spring-lever or treadle, T, hung to the lower framework A, in proper position for its tooth to so engage, where, by means of the spring K, it is held, as is obvious.

The treadle T projects to the rear of the chair, into position for being operated by a person, and thus to release the seat and back for being more or less inclined in position, as may be desired or found necessary.

I claim as new, and desire to secure by Letters Patent—

The combination and arrangement of the seat F, pivoted centrally to the sides C, and having upon its under side the quadrant-shaped sector I, provided with teeth *a* upon its circular edge, and the spring-lever J, having prong *b*, and hinged to the forward rail D, substantially as described for the purpose specified.

FRANCIS J. COATES.

Witnesses:

BENJ. C. TRUE,  
GEO. W. CONNANY.