(No Model.)

C. A. KNECHT & H. SCHLESINGER.

BARBER'S CHAIR.

No. 431,593. Patented July 8, 1890.

Fig. 1.

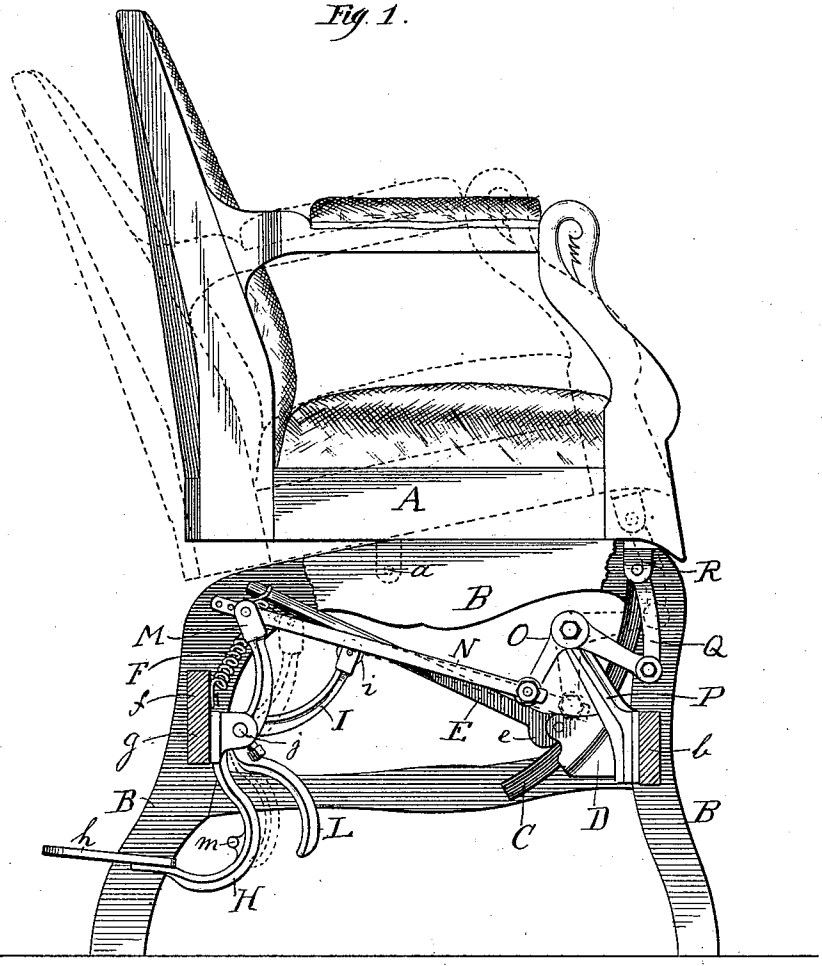
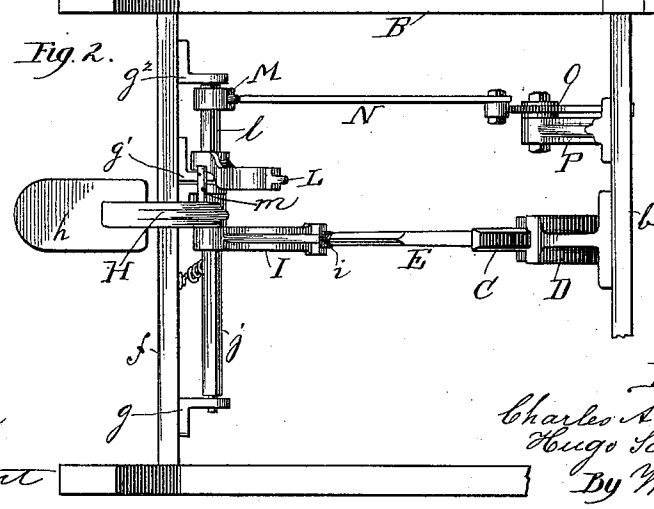


Fig. 2.



Witnesses:
Fred. Gerlach
Otto Luebkert

Inventor:
Charles A. Knecht
Hugo Schlesinger
By Wm. C. Lotz
Attorney.

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UNITED STATES PATENT OFFICE.

CHARLES A. KNECHT AND HUGO SCHLESINGER, OF CHICAGO, ILLINOIS, ASSIGNORS TO THE GUSTAV KNECHT MANUFACTURING COMPANY, OF SAME PLACE.

BARBER'S CHAIR.

SPECIFICATION forming part of Letters Patent No. 431,593, dated July 8, 1890.

Application filed February 17, 1890. Serial No. 340,751. (No model.)

To all whom it may concern:

Be it known that we, CHARLES A. KNECHT and HUGO SCHLESINGER, citizens of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Barbers' Chairs, of which the following is a specification, reference being had therein to the accompanying drawings.

This our invention relates to barbers' chairs in which the seat is pivotally secured upon its base to be tilted thereon, and in which an attachment operated by the foot of the barber will adjustably lock the seat in any desired reclining position; and more particularly to an improvement on the chair described in Letters Patent of the United States No. 470,877, granted to Gustav Knecht on the 4th day of October, 1887; and it is the object of our invention to provide a device, in combination with the locking mechanism of such chair, by which the barber is to be enabled to raise the seat with the occupant thereon from an inclined to a horizontal position by the depression of the same pedal that operates the locking mechanism; and with these objects in view our invention consists of the novel devices and combinations of devices hereinafter described and specifically claimed.

In the accompanying drawings, Figure 1 represents a sectional side elevation of the chair, and Fig. 2 a bottom view of the base thereof.

Corresponding letters of reference in the several figures of the drawings designate like parts.

A denotes the seat, and B the base, of the chair, both of any usual construction and connected by side hinges *a*.

Under the forward end of the chair-seat frame is secured a bracket, into which is pivotally connected the upper eyed end of a curved bar C. This bar C is embedded in a groove of a bracket D, secured against the front brace-bar *b* of base B of the chair, so as to slide therein, and between the rearward ends of this bracket D is pivoted the cam-shaped hub *e* of a lever E, so constructed that a down pressure of such lever E will cause the cam-shaped hub *e* to press against the bar C, and by clamping will hold the same rigid. The rearward end of lever E has attached one end of a spring F, the opposite end of which is coupled to the cross-brace *f* of the base B in a manner that such spring will pull the lever E downward, and will thus clamp the bar C automatically for holding the seat A in the required position.

Against the forward face of rear cross-brace *f*, and near the lower edge thereof, are secured three brackets *g* and *g'* and g^2, the brackets *g* and *g'* forming the pivot-supports for the ends of a square shaft *j*, upon which is rigidly mounted a lever H, on the pendent end of which is formed the pedal *h*, and upon this shaft *j* is also mounted an upwardly and forwardly extending arm I, bifurcated and eyed in its upper end for a roller *i*, pivotally secured therein and grooved in its periphery for riding against the under edge of lever E. By pressing upon pedal *h*, and thereby swinging the roller *i* rearwardly, the lever E will be pushed upward, whereby the cam-hub *e* of said lever will release its hold against bar C for adjusting the seat, and then by releasing the pedal again, the spring will pull the lever E downward for locking the bar C again.

Between brackets *g'* and g^2 is pivoted another square shaft *l*, being in line with shaft *j*, and upon this shaft *l* is mounted a pendent curved arm L, being in close proximity to pendent lever H, which latter is provided with a stud *m* to one side thereof, that, with swinging such lever H, will engage arm L to move therewith. Upon shaft *l* is also mounted an upwardly-extended arm M, having a bifurcated and eyed upper end for pivotally connecting by a pin or rivet with either one of a series of holes in one end of a bar N, the opposite end of which bar N being pivoted to one arm of a bell-crank O, the hub of which bell-crank being pivotally secured against a bracket P, fixed against brace *b* of the base B of the chair. The other arm of bell-crank O by a link Q is coupled with a bracket R, secured under the forward end of the chair-seat frame A. By releasing curved bar C and depressing pedal *h*, and then tilting the chair backward, as shown by dotted lines in Fig. 1,

the arm L will be swung backward to rest against stud *m* of lever H, and then for lifting the seat again to be swung forward to its horizontal position the barber, by placing his foot upon pedal *h* and pushing downward, will cause stud *m* to push arm L forward, whereby the arm M will be swung rearward, and whereby the rod N will swing the bell-crank O so that its forward arm will pull the link Q, and therewith the front end of the seat A, downward. After the chair-seat has thus been lifted or tilted forward, wherefor the barber may use his hands also to assist the operation, he will release the pedal, which at once will be swung back by the action of spring F and lever E to occupy its first position again for the cam *e* to clamp curved bar C for locking the seat in its horizontal position.

What we claim is—

1. The combination, with the seat and base of a barber's chair, pivotally connected, and with a suitable locking device for holding the seat on any desired inclined position and operated from the rear of the chair by a swinging pedal-lever H, of stud *m*, secured to pedal-lever H, arm L, coming into engagement with stud *m* to move therewith by a further swinging of pedal-lever H after having released the locking device, arm M, moving with arm L, bell-crank O, bar N, connecting bell-crank O with arm M, and link Q, connecting the front end of the seat with bell-crank O, all substantially as set forth, to operate as specified.

2. The combination, with the seat and base of a barber's chair, pivotally connected, with the curved bar C, secured to the seat and sliding in a grooved bracket D, secured to the base of the chair, with lever E, having a cam-shaped hub pivoted to the end of bracket D, spring F, for forcing the cam-hub *e* into contact with bar C, and pedal-lever H, for turning the cam-hub *e* to release bar C, and provided with stud *m*, of pivotal arms L and M, connected for simultaneous movement by contact with stud *m*, bar N, connecting arm M with bell-crank O, and link Q, connecting the front end of the seat with bell-crank O, all substantially as set forth, to operate as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES A. KNECHT.
HUGO SCHLESINGER.

Witnesses:
WILLIAM H. LOTZ,
OTTO LUEBKERT.