

No. 630,159.

Patented Aug. 1, 1899.

G. W. ARCHER.
BARBER'S CHAIR.

(Application filed May 7, 1897.)

(No Model.)

Fig. 2.

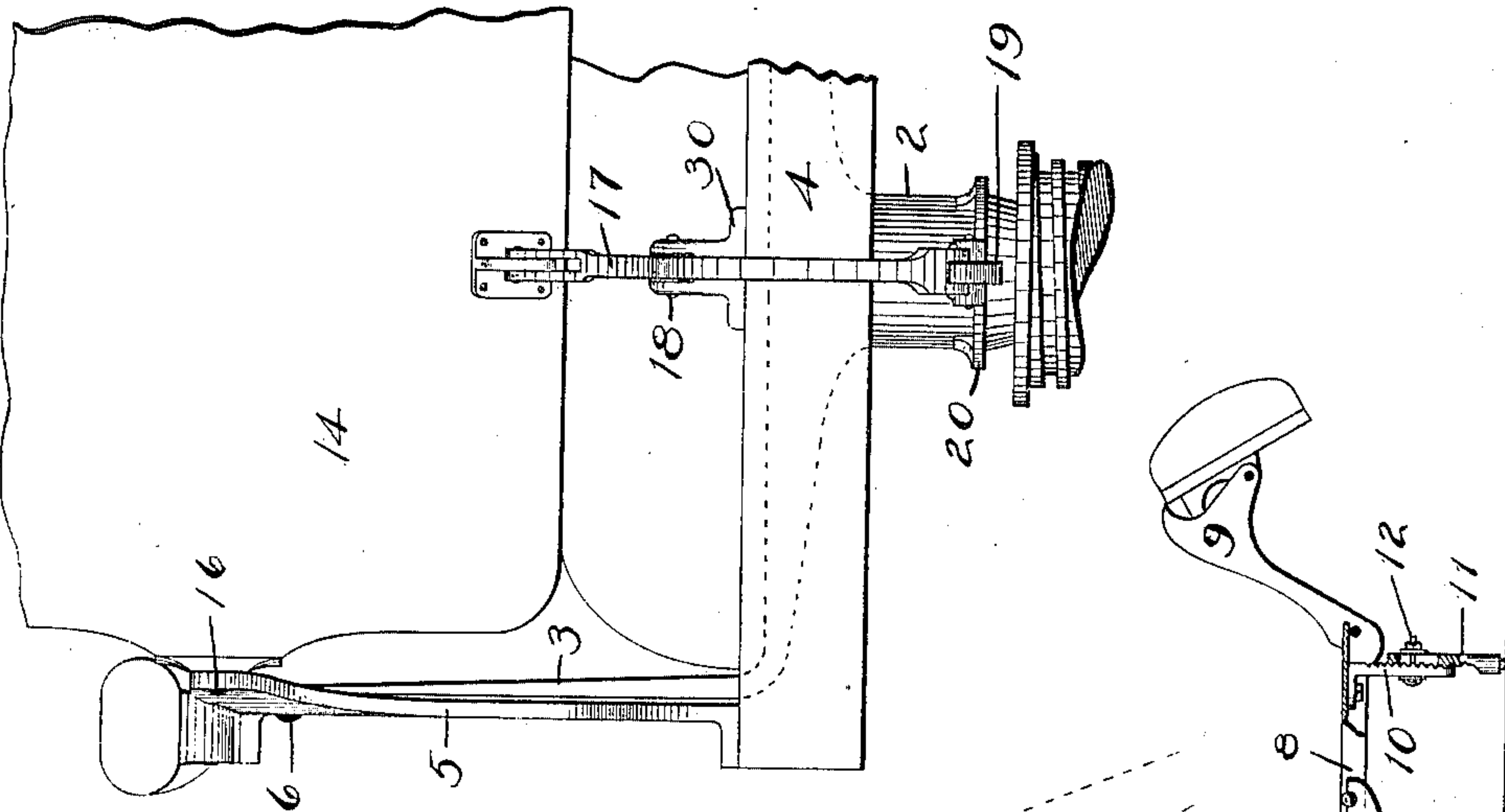
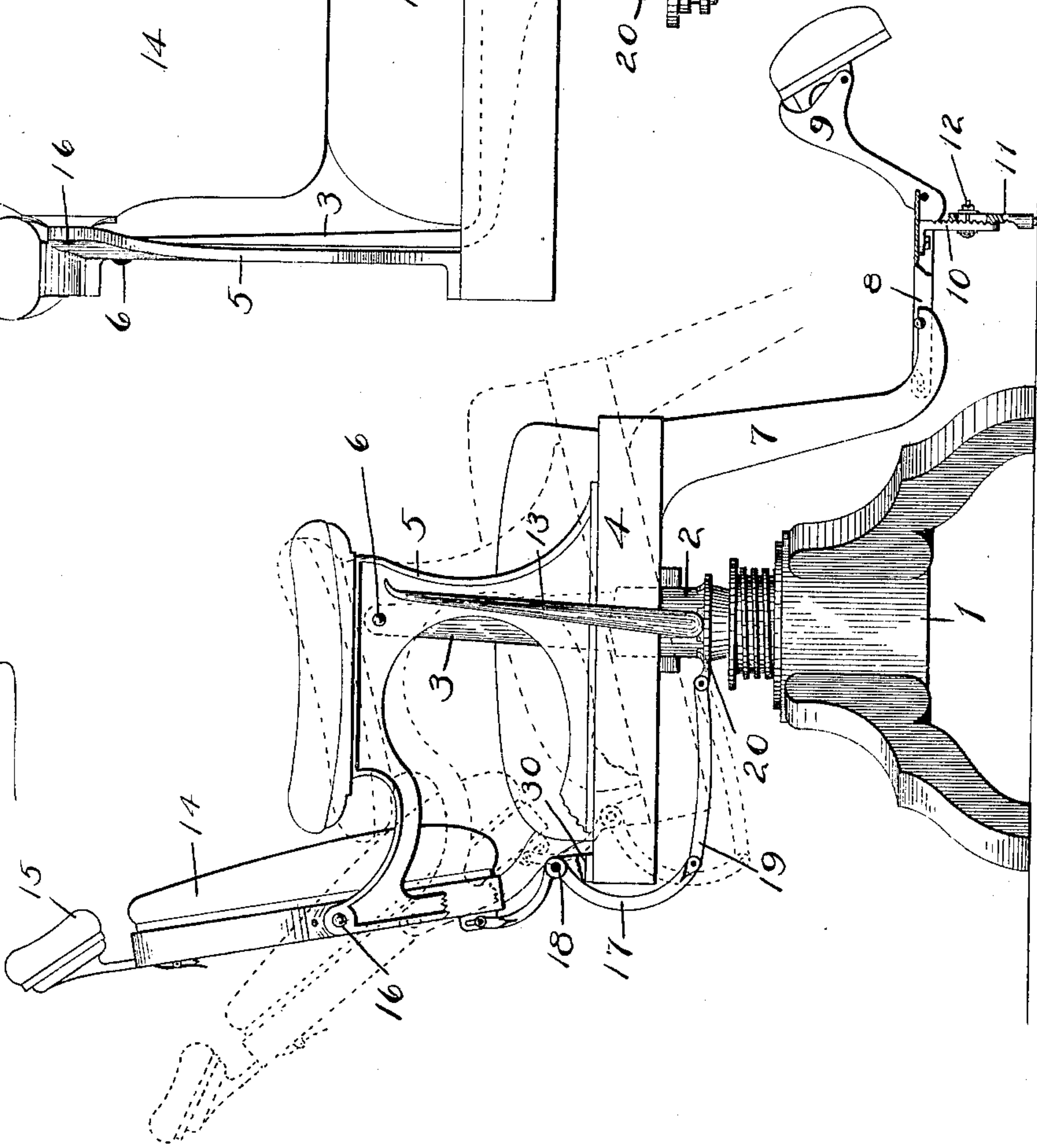


Fig. 1.



Witnesses.

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BARBER'S CHAIR.

SPECIFICATION forming part of Letters Patent No. 630,159, dated August 1, 1899.

Application filed May 7, 1897. Serial No. 635,521. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. ARCHER, of Rochester, in the county of Monroe and State of New York, 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 same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My present invention relates to adjustable chairs, such as used by barbers, dentists, &c., and has for its object to improve the construction and operation, whereby when the chair is tilted the chair-back will be adjusted or manipulated in such manner that the occupant will have an efficient support for his back and whereby also the chair-frame, and particularly the support therefor, will not be liable to strain when the chair is in vertical position; and to these and other ends the invention consists in certain improvements hereinafter described, the novel features being pointed out in the claims at the end of this specification.

In the drawings, Figure 1 is a side elevation of a chair embodying my improvements, and Fig. 2 a rear view of a portion of the same. Similar reference-numerals in the figures indicate similar parts.

In the present embodiment of my invention the improvements are shown applied to the chair shown in Figs. 6 and 7 of Letters Patent No. 580,647, granted to me April 27, 1897, and embodies generally a base 1, upon which is mounted a support or frame 2, provided with vertically-extending arms 3, and 4 indicates a chair-frame provided with arm-brackets 5 and pivoted at 6 to the upper end of the arms 3 on the frame 2. The chair-frame 4 is provided with the downwardly-extending arms 7, carrying the platform 8, secured thereon in any suitable manner, but preferably as shown in Letters Patent No. 459,182, granted to me September 8, 1891, and to the forward portion of this platform is attached a foot-rest 9, which may be of any suitable construction. To the under side of the platform 8 is attached an extensible support composed

in the present instance of sections 10 and 11, the former bolted to the under side of the platform and the latter adapted to rest upon the floor when the chair is in the position shown in full lines, the connection between the two sections being formed by a bolt passing through slots in them, and the engaging surfaces of the sections are serrated to prevent slipping. This construction is desirable in chairs of the class pivoted so as to be capable of being tilted, as usually the support is some distance from the platform and the standard or frame of the chair is racked more or less when the patient is entering or leaving it. The extensible support may be lengthened or shortened as the chair is raised or lowered, and as far as the operation of this platform-support is concerned the form of chair is immaterial so long as it is supported in such manner that the platform is adapted to be tilted.

The chair-frame 4 may be tilted upon the pivots 6, as shown in dotted lines, and secured in tilted position by any suitable securing device or clamp—such, for instance, as that shown in my patent of April 27, 1897—13 indicating the controlling-lever and this device also serving to regulate the rotary and tilting adjustments of the chair; but these parts may be of any suitable description and their specific construction forms no portion of my present invention.

14 indicates the chair-back, carrying the head-rest 15 and pivoted at 16 to the chair-frame 4, so that the back has an independent tilting motion, and 17 indicates a lever pivoted at 18 upon a suitable pivot-pin on a bracket 30 on the frame 4, the upper end of said lever engaging by a slot-and-pin connection with the lower end of the chair-back 14, and the lower end of the lever 17 is connected by a link 19 with the lower portion of the frame on which the chair is pivoted, preferably a ring or collar 20, such as shown in my patent of April 27, 1897; but the connection may be made with any suitable portion of the frame on which the chair is pivoted.

From the above construction the operation will be readily understood in connection with the drawings, the relative arrangement of the

parts being such that as the chair is tilted on the arms or supports 3 the lower portion of the chair-back will be moved toward the front of the seat, as shown in dotted lines, thereby supporting the patient occupying the chair comfortably at all times, the forward movement of the lower end of the chair-back being in proportion to the amount the chair is tilted, as will be understood from an inspection of Fig. 1.

I claim as my invention—

1. The combination with a support, a chair pivoted thereon to tilt, of the chair-back pivoted to the chair, the lever pivoted on the chair and coöperating with the back, and a loose pivotal connection between the lever and support, whereby the back will be tilted relative to the seat and the lower end moved forward, when the chair is tilted.

2. The combination with a support, and a chair pivoted thereon to tilt, of the chair-back pivoted to the chair intermediate its ends, the lever pivoted to the chair having the loose connection between its upper end and the back, and the loose connection between the lower end and the support.

3. The combination with the support, and the chair pivoted thereon, of the chair-back pivoted intermediate its ends to the chair, the lever pivoted on the chair, the slot-and-pin connection between the upper end of the lever and the chair-back, and the link connecting the lower end of the lever with the support.

4. The combination with the support, and the chair pivoted thereon above the seat, of the back pivoted to the chair above the seat, the

pivoted lever coöperating with the chair-back and pivotal connection between the lever and the support for turning the back on its pivot when the chair is tilted.

5. The combination with the support, the chair pivoted thereon, the pivoted chair-back, the lever pivoted on the chair and connected to the back thereof, and the link connecting the lever and support, substantially as described.

6. The combination with the support having the arms 3, the chair having the arm-brackets 4 pivoted on the arms 3, of the chair-back 14 pivoted to the arm-brackets, the lever pivoted on the chair and connected with the chair-back, and the loose connection between the lower end of the lever and the support.

7. The combination with a support and the vertically-adjustable chair thereon having a tilting platform, of the extensible supporting-leg secured to the under side of the platform and adapted to rest upon the floor when the platform is in lowermost position, substantially as described.

8. The combination with a support, and the vertically-adjustable and tilting chair-frame mounted thereon having the platform secured to it, of the extensible supporting-leg secured to the under side of the platform, and adapted to rest upon the floor when the platform is in lowermost position, substantially as described.

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Witnesses:

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