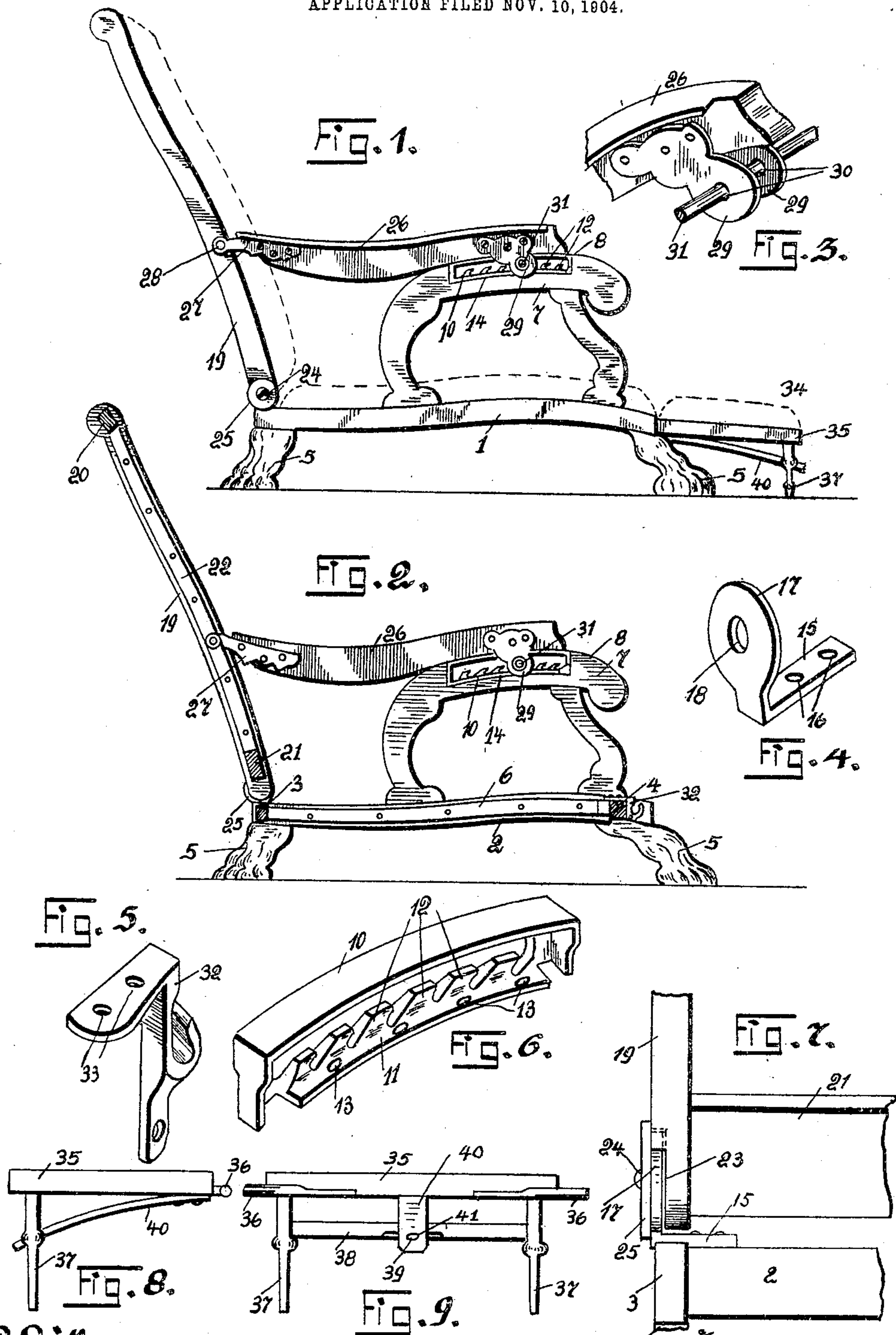


F. NABAL.
RECLINING CHAIR.
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UNITED STATES PATENT OFFICE.

FREDRICK NABAL, OF ALLEGHENY, PENNSYLVANIA.

RECLINING-CHAIR.

No. 755,535.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FREDRICK NABAL, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Reclining-Chairs, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in reclining-chairs, and more particularly to that type commonly known as "Morris" chairs.

The invention has for its object to provide novel means for inclining the back of a chair, said means being embodied in the framework of the chair, whereby the same will present a neat appearance, and when the same is ready for use it will be impossible to detect the adjustable features of the chair.

Another object of my invention is to provide a novel form of foot-rest which may be used in connection with the reclining-chair, and I have so formed my improved foot-rest that the supporting members thereof may be folded in a compact form, whereby said rest may be used as an ordinary cushion, if it be so desired.

The chair as contemplated by me embodies certain novel features of construction which will enable a person desiring to recline in the same to quickly and easily adjust the back of a chair to any desired inclination, and the construction of my improved chair, together with the details entering into the same, will be hereinafter more specifically described and then more particularly pointed out in the claims, and referring to the drawings accompanying this application like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of the framework of my improved chair. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a perspective view of a portion of one of the arms of my improved chair, showing the locking-pin. Fig. 4 is a detail perspective view of one of the hinged members of my improved chair. Fig. 5 is a detail perspective view of a hooked member carried by the chair. Fig. 6 is a perspective view of a rack-bar used in connection with my improved chair. Fig. 7 is a fragmentary view, in rear elevation, of the hinge employed in connection with the chair; and Figs. 8 and 9 are de-

tail views of a foot-rest constructed in accordance with my invention and adapted to be used in connection with my improved reclining-chair.

In the drawings accompanying this application I have illustrated the framework of my improved chair, the cushions or upholstering that may be employed in connection with the same removed or illustrated in dotted lines, and the frame of the chair comprises a rectangular base-frame supported by suitable legs, a reclining hinged back, and side arms.

The rectangular base-frame consists of the side rails 1 and 2 and the rear and front rails 3 and 4, which are supported by the ornamental legs 5 5. The side rails 1 and 2 upon their inner sides are provided with the seat-supporting strips 6 6, and upon the top edge of each side rail are mounted the upwardly-extending arm-supports 7. These arm-supports may be of any desired ornamental configuration, and the top edge of said supports are curved, as indicated at 8. In the top of each arm-support is mounted the segment-shaped or curved rack-bar. The rack-bar is preferably constructed of a forging or casting and consists of a hollow flanged frame 10, the lower flange 11 of which is provided with the angularly-disposed teeth 12 and apertures 13 13, whereby the rack-bar may be secured in the recess 14, formed in the curved surface of the arm-supports 7.

The rear edges of the side rails 1 and 2 are provided with hinged members, one of said members being illustrated in Fig. 4 of the drawings. This member, as designated by the reference-numeral 15, is provided with apertures 16 16, whereby the same may be secured upon the top of the rear rail 3. The member is formed with an upwardly-extending circular portion 17, having an opening 18 formed centrally therein. The reclining member or back of the chair is substantially rectangular in form and consists of the side frames 19 19 and the top and bottom frames 20 and 21. The side frames 19 are constructed similarly to the side rails 1 and 2—that is, being provided with the supporting-strips 22, upon which the upholstering, as indicated in dotted lines in Fig. 1, may be constructed. The lower end of each of the frames 19 is cut away, as indicated at 23, and in this cut-away portion the circular portion 17 of the member 15 fits, and a pin 24 is employed to pivotally connect each one of the frames 19

to the member 15. In order that this pivotal connection may not be disclosed to view or in any manner disfigure the appearance of the chair, I employ a washer 25, which is placed upon the pin 24 to entirely cover the pivotal connection, as will be seen from Fig. 1 of the drawings.

The arms of my improved chair are designated by the reference-numerals 26, and each arm is provided with a hinged member 27, which is pivotally connected, as indicated at 28, to the frames 19 19 of the back of the chair. The lower edge of each arm is curved to conform to the contour of the arm-supports 7, and each side of the forward end of the arms is provided with a depending plate 29, which has an aperture 30 formed therein, and mounted in these apertures is a pin 31. Prior to placing this pin within the apertures the arms 26 are placed upon the arm-support 7, at which time the pins are placed in the apertures, said pins engaging in the teeth 12 of the rack-bars 10 and preventing the arms 26 26 from being raised out of engagement with the arm-supports, but permitting of the same being raised sufficiently to place the pin 31 in engagement with either one of the teeth 12.

The front rail 4 of the rectangular base-frame is provided upon each of its ends with the hooked members 32, each one of these members being provided with apertures 33, whereby they may be secured upon the front rail.

The reference-numeral 34 designates the foot-rest in its entirety, this foot-rest consisting of a rectangular frame 35, the rear edge of which is provided with pins 36, which are adapted to engage in the hooked members 32. The front edge of the foot-rest is provided with the hinged legs 37, that are braced by the cross-bar 38. This cross-bar is provided centrally of its length with a pin 39. Secured to the under rear edge of the foot-rest is a spring 40, said spring extending forwardly and having an aperture 41 provided in its end, whereby when the legs 37 are placed in a position at right angles to the foot-rest the spring will engage the cross-bar 38, and the legs 37 will be held in a rigid position by the engagement of the aperture 41 with the pin 39 of said cross-bar. The frame 35 may be provided with a suitable cushion or upholstery, and it will be observed from the construction of the same that the legs

may be folded under the foot-rest and the front edge of the same permitted to rest upon the floor or support of the chair.

To place the back of the chair at any desired inclination, it is only necessary for the occupant of the same to slightly raise the arms 26 26, and by a rearward movement of the same the back of the chair may be inclined to the desired inclination, at which time by permitting the arms to again engage the arm-supports 7 7 the pins 31, carried by each of the arms, may be placed in engagement with the rack-bar 10 and be firmly held therein to retain the back of the chair at the desired inclination. The foot-rest as constructed by me may be easily and quickly detached from the chair should it be desired to dispense with the same, and while I have herein shown the preferred manner of constructing the chair I do not wish to confine myself to the exact construction shown, as the same may be varied without departing from the general spirit and scope of the invention.

What I claim, and desire to secure by Letters Patent, is—

1. In a chair, the combination of a base-frame, arm-supports mounted on said base-frame, slotted rack-bars carried by said arm-supports, the teeth of said rack-bars being located in the slots of said rack-bars, a back-frame pivotally attached to said base-frame, arms pivotally attached to said back-frame and extending over said rack-bars, a pair of depending plates carried by each of said arms, pins passing through each pair of said plates and passing through the slots in said rack-bars and engaging the teeth therein.

2. In a chair, the combination of a base-frame, arm-supports mounted on said base-frame, rack-bars mounted on said arm-supports, a back-frame pivotally attached to said base-frame, arms pivotally attached at their rear ends to said back-frame, and resting at their forward ends on said arm-supports, depending plates carried by said arms and embracing said rack-bars, and pins passing through said plates and engaging the teeth of said rack-bars.

In testimony whereof I affix my signature in the presence of two witnesses.

FREDRICK NABAL.

Witnesses:

H. C. EVERT,
WM. C. HEITZ.