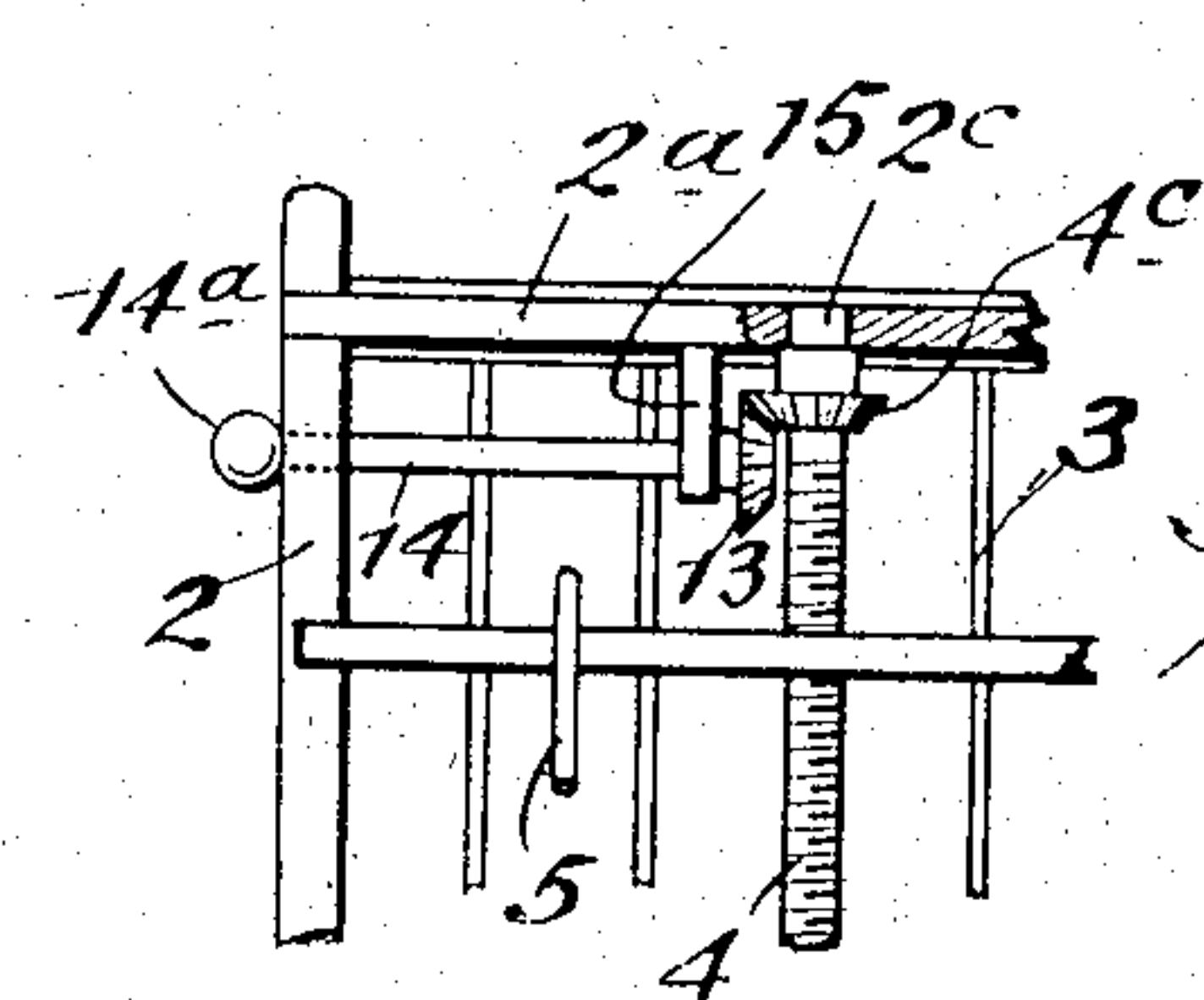
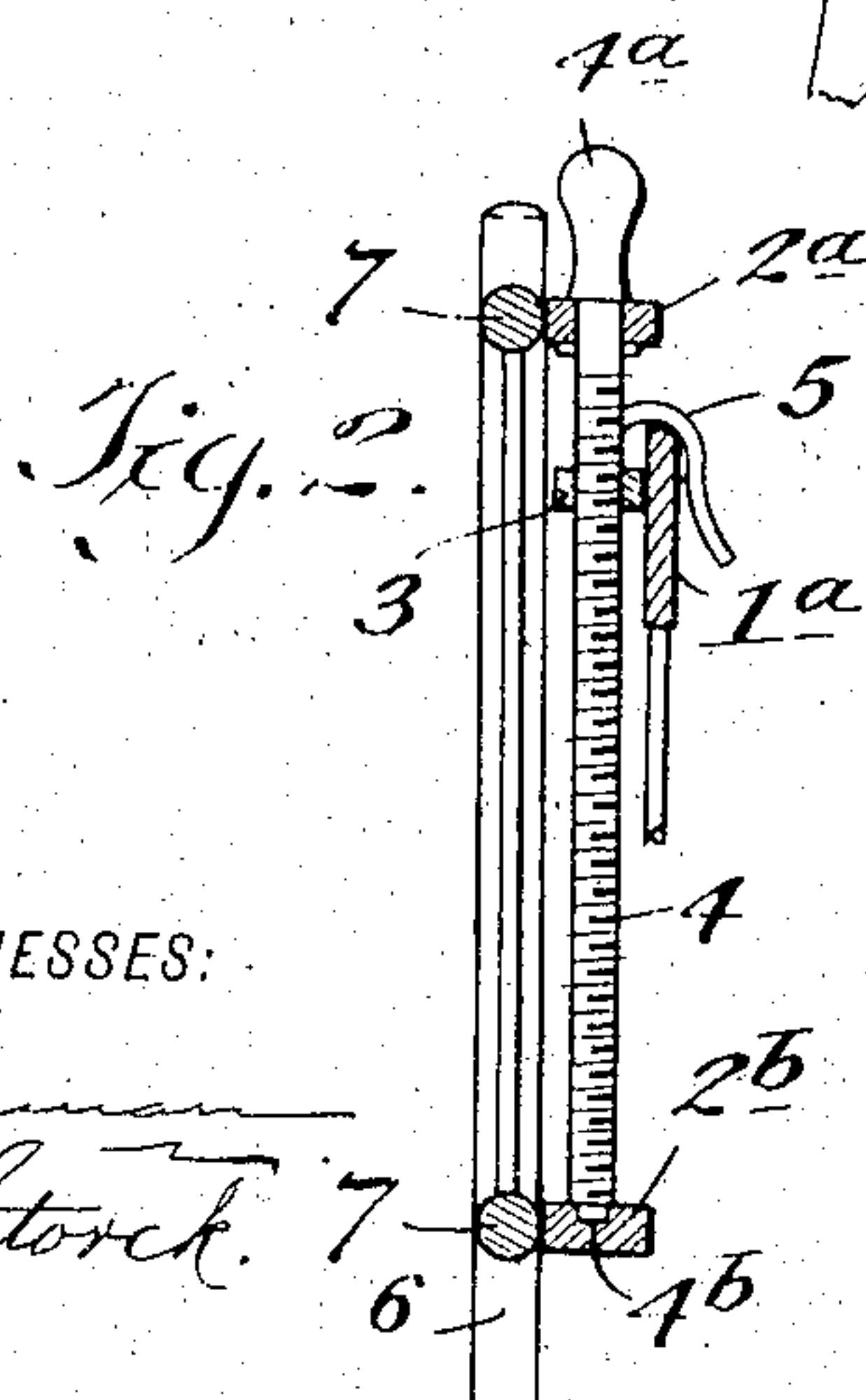
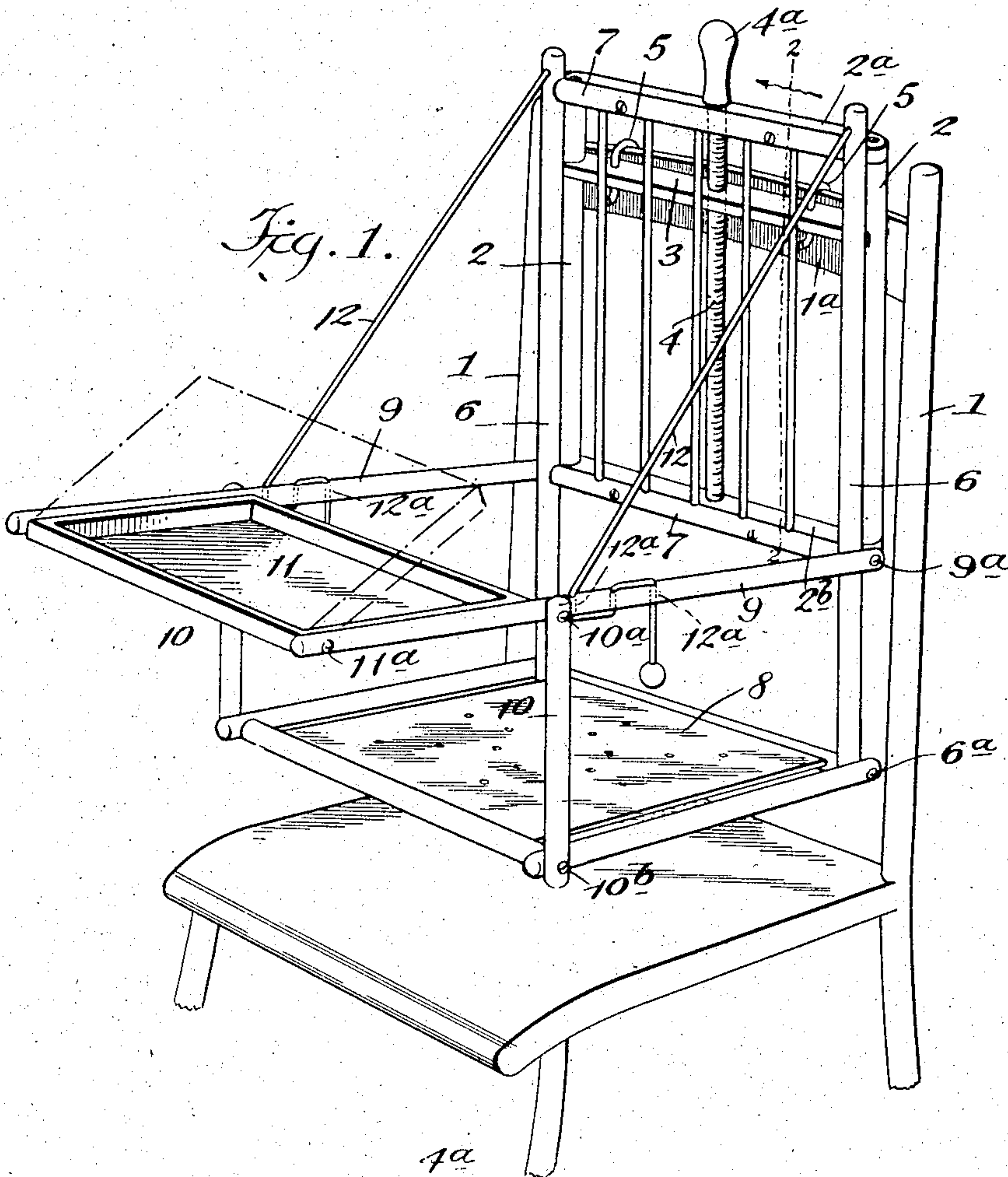


No. 781,090.

PATENTED JAN. 31, 1905.

A. P. PERKINS.
BABY CHAIR.

APPLICATION FILED MAY 2, 1904.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ALFRED P. PERKINS, OF NEW YORK, N. Y.

BABY-CHAIR.

SPECIFICATION forming part of Letters Patent No. 781,090, dated January 31, 1905.

Application filed May 2, 1904. Serial No. 205,861.

To all whom it may concern:

Be it known that I, ALFRED P. PERKINS, a citizen of the United States, residing at New York city, Manhattan borough, county and State of New York, have invented certain new and useful Improvements in Baby-Chairs, of which the following is a specification.

My invention relates to baby-chairs, more particularly to that class thereof adapted to be attached to or used in conjunction with an ordinary chair; and the invention has for its object to provide a simple and inexpensive baby-chair of the character described which will permit of ready and easy vertical adjustment thereof upon an ordinary chair.

To these and other ends, which will hereinafter appear, my invention consists of the novel features of improvement and combination and arrangement of parts hereinafter described and summarized in the appended claims.

My invention will be more readily understood by reference to the accompanying drawings, forming part hereof.

Figure 1 is a perspective view of a baby-chair embodying my invention, the same being shown applied to an ordinary chair; Fig. 2 is a cross-section thereof on the line 2 2 in Fig. 1, and Fig. 3 is a fragmentary view of a modified form of the means for vertical adjustment of the baby-chair.

Similar numerals of reference indicate corresponding parts in the several views.

Referring to the accompanying drawings, 1 1 indicate the rear standards or posts of an ordinary chair, and 1^a the usual upper cross-bar or head-piece thereof.

2 2 indicate a pair of vertical side rods or bars, connected at the top and bottom by cross rods or bars 2^a 2^b, respectively, these side and top and bottom cross-rods constituting a rigid rectangular frame adapted to be raised and lowered, as will be presently described. Between the vertical side rods 2 2 is a horizontally-disposed cross-bar 3, the ends whereof are kerfed or depressed, so as to fit into and partly embrace the rods 2 2, as shown in Fig. 1, whereby the rectangular frame may move vertically along and between the said ends.

4 indicates a screw-spindle, worm-screw, or the like, which is loosely journaled in the top cross-bar 2^a and engages an internally-threaded aperture in the bar 3, the lower end of the screw-spindle resting in a seat or bearing 4^b in the lower cross-bar 2^b, and the upper end of the screw-spindle is provided with a head or the like 4^a for conveniently rotating the said spindle.

5 5 indicate hooks or the like secured to the bar 3, whereby the same and connected parts may be attached to the head or back of an ordinary chair, as shown in Fig. 1; but other means of attachment to the chair may be employed, if desired.

6 6 indicate the vertical side bars of the knockdown or collapsible baby-chair, which bars are connected by upper and lower cross-bars secured to the movable frame above described, preferably to the upper and lower cross-bars 2^a 2^b thereof by screws or the like, and to the lower end of said side bars is pivoted the seat 8 of the baby-chair, as at 6^a, the arms 9 9 being pivoted to the vertical side bars 6 6, as at 9^a, and held in proper relation by uprights 10 10, pivotally connected to the seat and arms, as at 10^a 10^b, respectively. At the outer extremities of the arms 9 9 is a tray or the like 11, pivotally connected at its ends to and between the said arms, as at 11^a, whereby it may be raised and lowered.

12 12 indicate cords or the like for raising and lowering the arms 9 9 and connected seat to different inclinations, the said arms being provided with apertures 12^a 12^b for angular insertion of the cords for binding the same in the desired positions.

To vertically adjust the baby-chair upon the chair proper, it is simply necessary to turn the screw-spindle until the movable frame and connected baby-chair will be raised or lowered to the desired position.

In Fig. 3 I have shown a modified arrangement of the means for vertical adjustment of the baby-chair upon the chair proper, wherein a bevel-gear connection is provided for imparting a rotary movement to the screw spindle or shaft 4, the latter in this instance being journaled between the upper and lower rods

of the movable frame or between similar rods on the baby-chair back and being provided with a bevel-gear 4^c at the upper end, meshing with a bevel-gear 13 upon a shaft 14, loosely supported in the said bar 2 and in a stem or bracket 15, the shaft 14 being provided at its outer end with a knob or grip 14^a for operating the same. The operation of this modified form of adjusting mechanism will be obvious. Turning the shaft 14 will, through the bevel-gear connection, raise or lower the movable frame and connected baby-chair to the desired position, according to the direction of rotation of the screw-shaft in one direction or the other.

It will be understood that instead of securing the baby-chair to a separate frame provided with my adjusting means, as above described, such means may be applied directly to the baby-chair back. When not in use, the baby-chair may be readily detached from the back of the chair proper and collapsed, so as to occupy a comparatively small space.

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

1. A chair, having a back, combined with means for vertical adjustment thereof upon a support, said means comprising a screw-spindle mounted upon said back, a horizontally-disposed member in screw connection therewith, and means upon the said member for detachably securing the same to said support.

2. A baby-chair of the character described, combined with means for vertical adjustment thereof upon the back of a chair, said means comprising a screw-shaft in screw connection with a member detachably secured to the said

chair-back, and a frame vertically adjustable with relation to said member.

3. A baby-chair, combined with means for vertical adjustment thereof upon a support, said means comprising a vertically-movable frame, a screw-shaft loosely journaled therein, a member in screw connection with said shaft, and means for attachment of the same to a support.

4. A chair of the character described, comprising a seat and back, a vertical screw-shaft journaled in the back, a member provided with a threaded aperture meshing with said shaft and means thereon for detachably securing the same to a support, and a horizontally-disposed shaft journaled in the said back and meshing with the first-named shaft, all arranged so that rotation of the horizontal shaft will rotate the vertical screw-shaft and vertically adjust the chair.

5. The combination with a chair seat and back, of a frame to which the back is secured, a horizontal bar or member in said frame, means thereon for detachably securing the same to a chair-back, a vertically-disposed screw-shaft journaled in said frame and meshing with a threaded aperture in said member, a horizontally-disposed shaft or spindle supported loosely in said frame, the said shafts being provided with bevel-gears for transmission of motion of the one to the other, substantially as and for the purpose herein shown and described.

ALFRED P. PERKINS,

Witnesses:

MAURICE BLOCK,
DAVID EILAU.