

No. 822,472.

PATENTED JUNE 5, 1906.

A. P. PERKINS.

BABY CHAIR.

APPLICATION FILED JAN. 4, 1905.

2 SHEETS—SHEET 1.

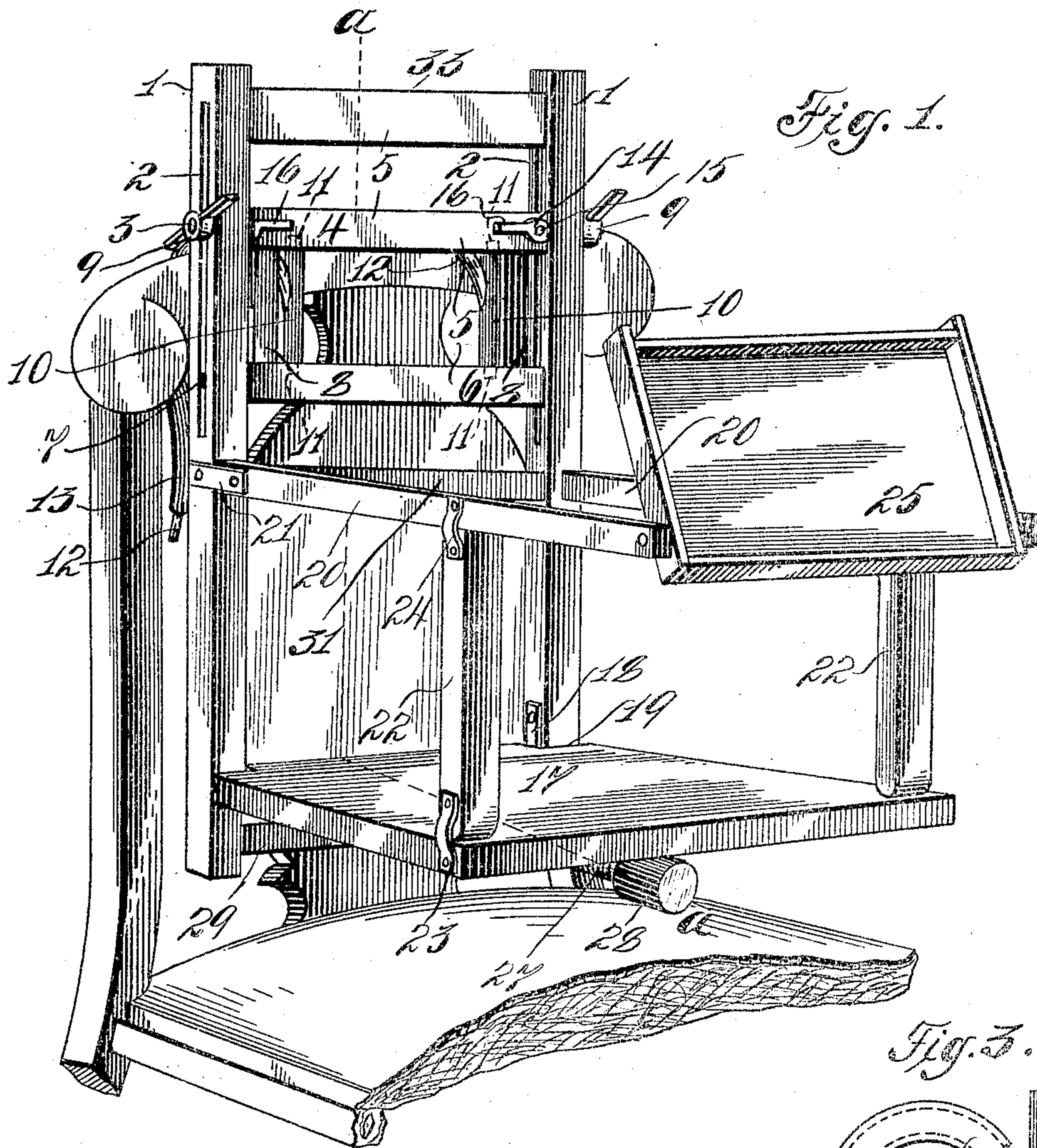
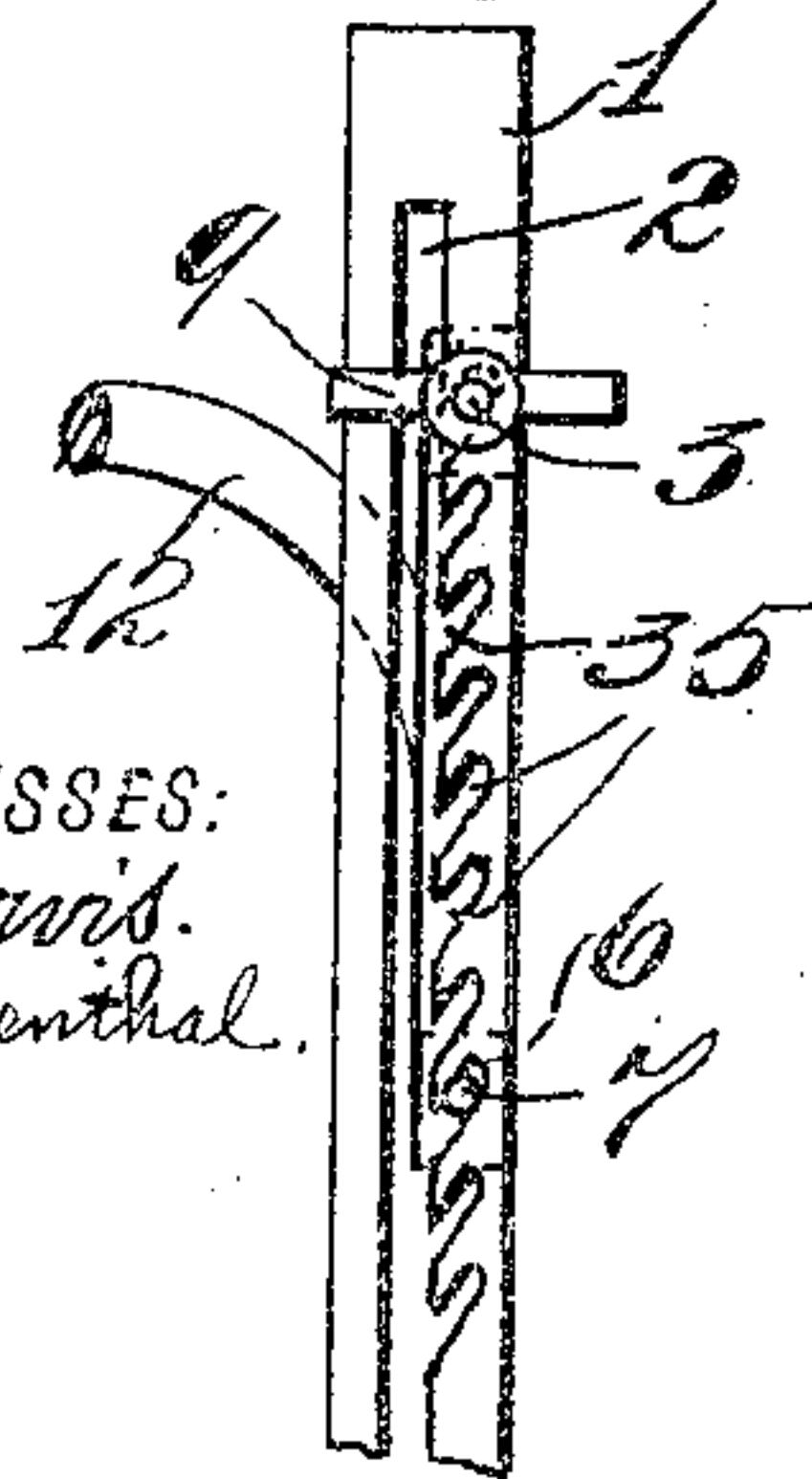


Fig. 1.

Fig. 4.



WITNESSES:  
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Haskell Corntal.

Fig. 5.

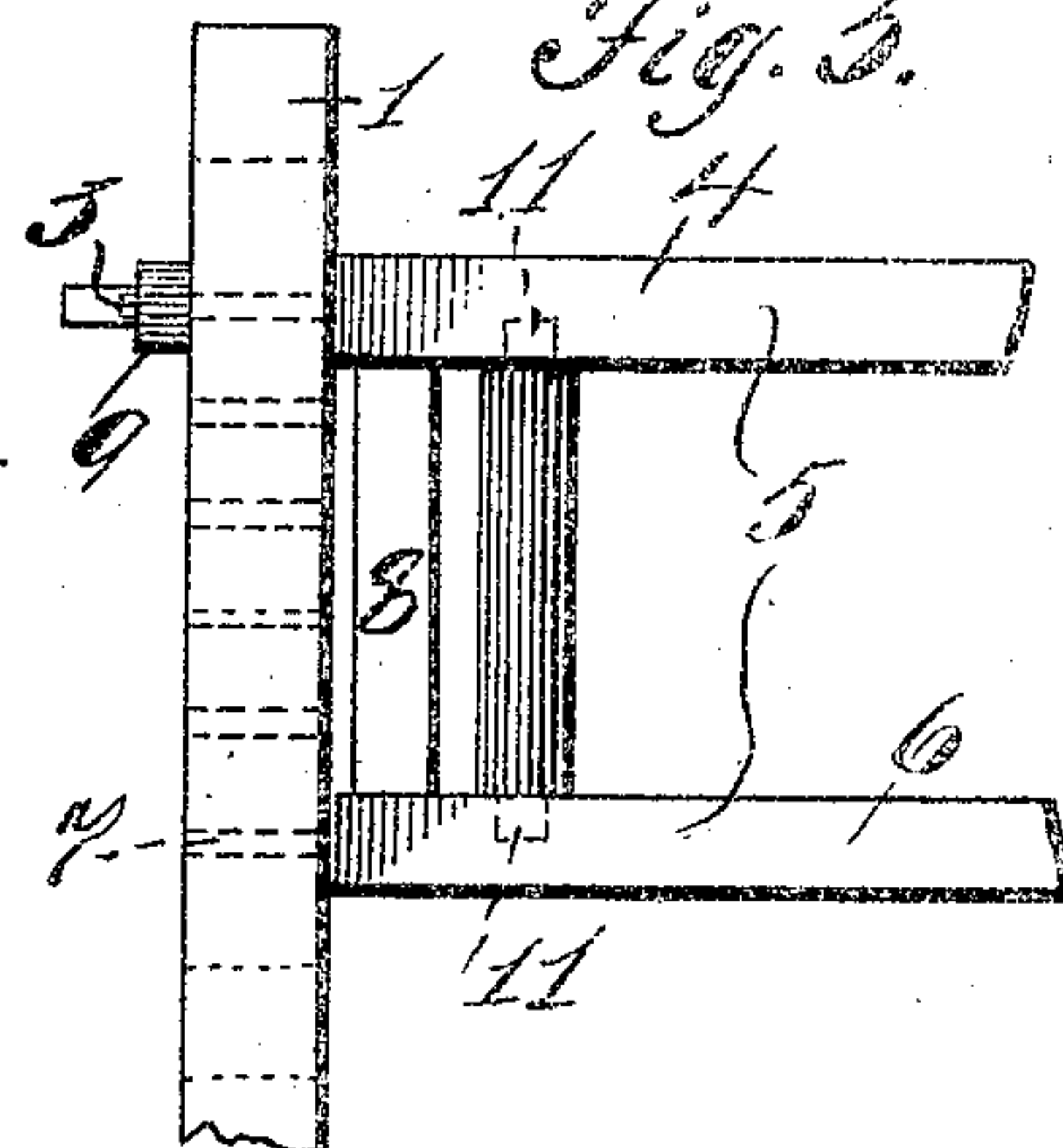
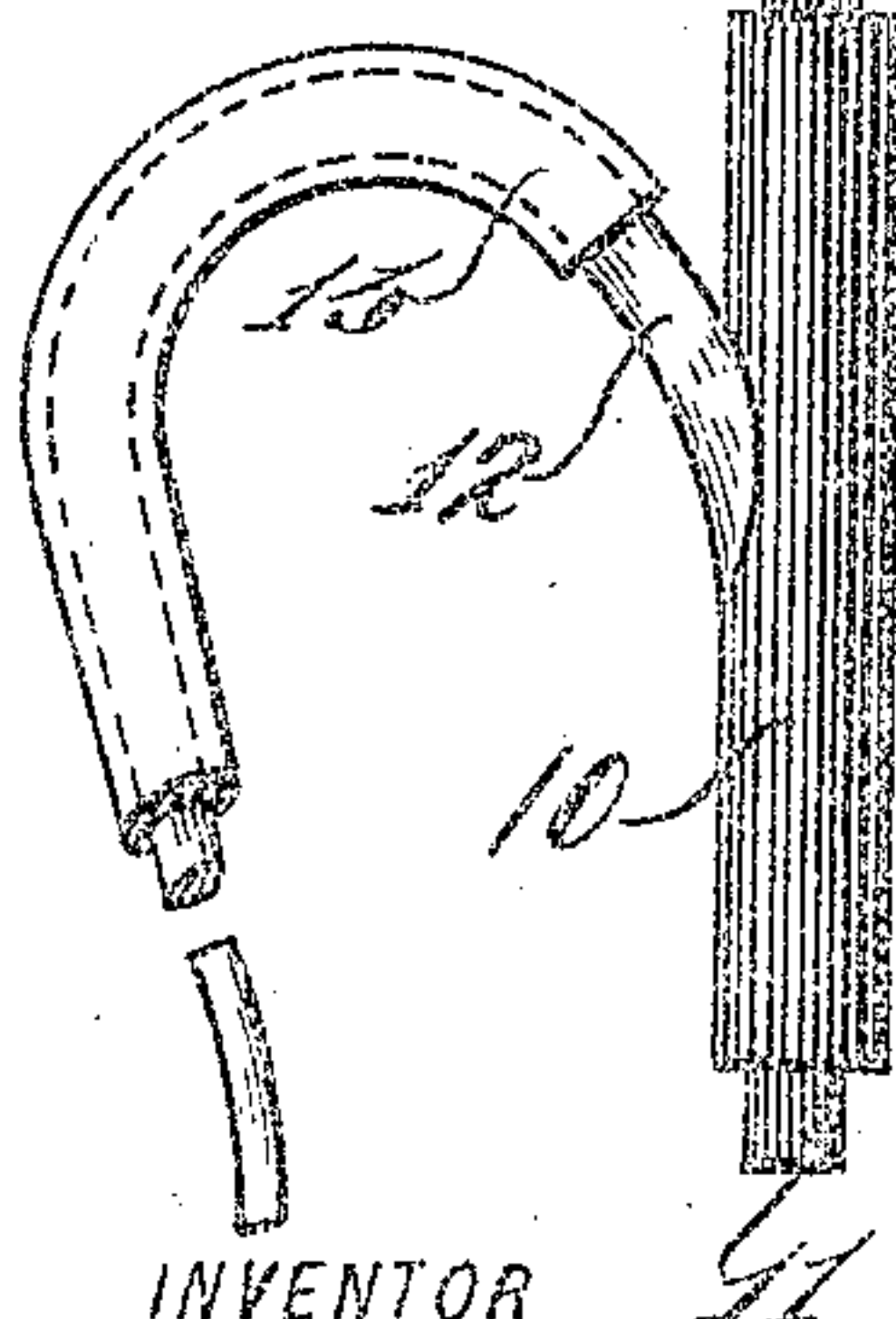


Fig. 3.



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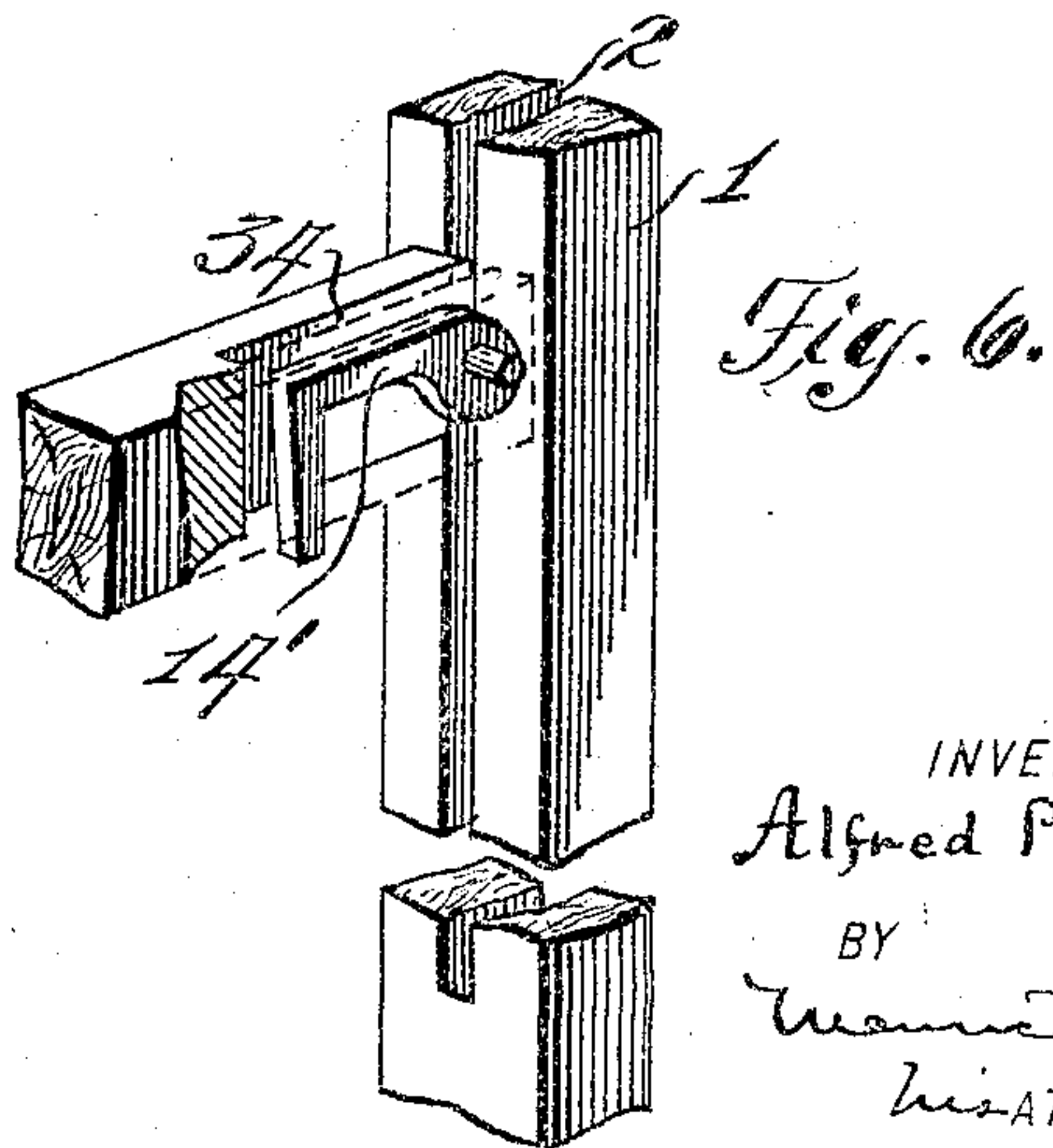
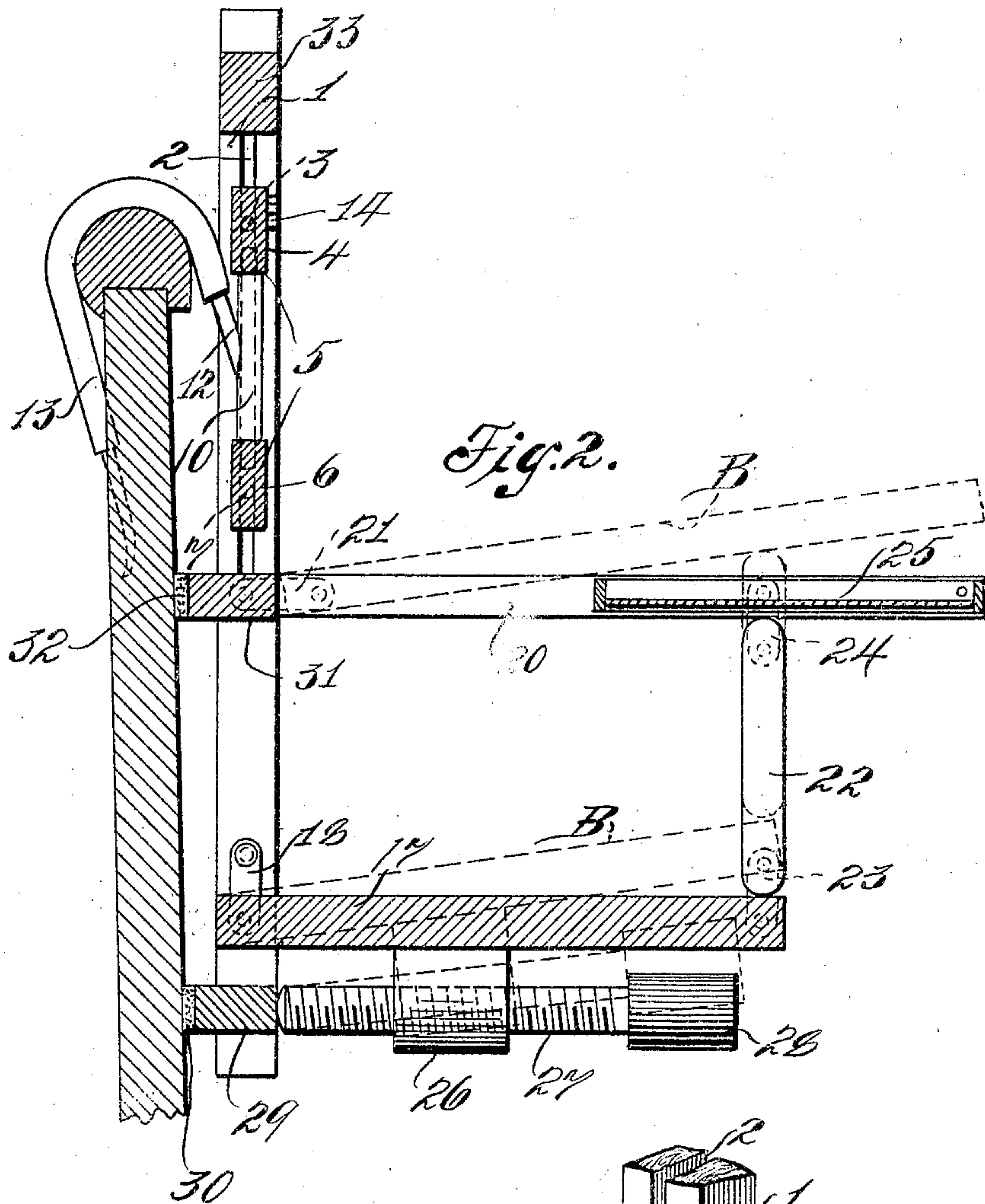
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2 SHEETS—SHEET 2.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

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

## BABY-CHAIR.

No. 822,472.

Specification of Letters Patent.

Patented June 5, 1906.

Application filed January 4, 1905. Serial No. 239,615.

*To all whom it may concern:*

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

This invention relates to portable folding chairs for infants, adapted to be removably attached to an ordinary chair, so as to dispense with the use of the usual high chairs; and the invention has for its object mainly to provide improved means for adjusting the baby-chair vertically with relation to its support and also to provide such a chair with certain improved precautionary means for safety and with novel means for adjusting the inclination of the seat and arms.

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

Reference is to be had to the accompanying drawings, forming part of this specification, wherein—

Figure 1 is a perspective view of my improved baby-chair shown hung upon an ordinary chair. Fig. 2 is a central longitudinal section thereof, the section being taken on the line *a a* in Fig. 1. Fig. 3 is a detail view of the spindle and hook integral therewith. Fig. 4 is a modified form of securing means for the chair proper to the back thereof, shown in side elevation. Fig. 5 is a partial front view thereof, and Fig. 6 is a perspective view of a modified manner of applying the safety-catch to the back, the catch being inserted in the back-rods instead of being applied to the outer surface thereof, as in Fig. 1.

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

Referring to the accompanying drawings, special reference being had to Fig. 1, the numeral 1 indicates the back rods or uprights of my improved chair, and within the said uprights I provide vertically-disposed slots 2, which extend through the uprights, as shown. Through these slots pins or spindles 3 protrude and are adapted to slide therealong, said spindles being attached to the upper member 4 of the back-rest 5, the lower member 6 being provided with spindles 7,

which enter said slot 2 and act as a stay for said lower member 6, connecting members or rods 8 being also provided to better stay the members 4 and 6; but the back-rest 5 may be dispensed with, it being sufficient to provide a frame adapted to slide between and along the uprights 2, as will be hereinafter described. The spindles 3 extend through the slots 2 sufficiently far to enable a screw-thread to be formed and to allow a wing-nut 9 to be operated thereupon.

It is evident from the foregoing that the slots 2 are for the purpose of adjustment of the chair vertically. Between the members 4 and 6 of the back-rest 5 spindles 10 are adapted to rotate, (see Fig. 3,) the said spindles being provided at their extremities with reduced portions 11, adapted to enter suitable openings in the members 4 and 6. A hook 12 is preferably formed integral with the said spindles, the object being to provide a strong hanger for suspending the chair to a support, such as an ordinary chair, and thus avoid rivets, bolts, or the like, which are liable to become loosened.

To avoid scratching or marking of the support upon which the chair is hung, I cover the hooks 12 with a covering 13, of any suitable material, such as rubber, cloth, &c. As an additional means for safety, so as to avoid total dependence upon the nuts 9 for holding the parts in adjusted position, I provide the back-rest 5 with eccentric catches or the like 14, which are rotatably attached thereto by pins 15, the said eccentric catches being provided with handles 16 for manual operation. These catches are positioned and shaped to automatically grip the uprights 1 in the event of the loosening of the nuts 9 in the manner of a roller-clutch. The seat 17 is pivotally secured to the uprights 1 by means of hinges 18, Fig. 2, the seat being cut out, as at 19, Fig. 1, to partially surround the uprights. The arms 20 of the chair are also pivotally connected to the uprights 1 by hinges 21. Uprights 22 at the forward end of the seat connect the seat and arms 20, being pivotally secured thereto by hinges 23 24, respectively. The arms 20 project sufficiently far beyond the uprights 22 to accommodate a pivotal tray 25. Upon the bottom of the seat 17, Fig. 2, I provide a lug or block 26, which has a screw-threaded opening in which works a screw-threaded spindle or the like 27, the same having a knob 28 for manipulation.



tion. The end of the screw-spindle 27 impinges upon an abutment 29, which is carried by the uprights 1, the said abutment acting also as a rest for the chair proper, inasmuch as it tends to keep the chair in a vertical position when hung upon an ordinary chair by impinging upon the framework thereof. To prevent disfigurement of the object upon which the said abutment impinges, I provide it with a felt cushion 30. A brace 31, which extends between the uprights 1, may also be provided to act as a rest in the manner of the abutment 29 and is faced with a felt or other cushion 32. The dotted lines B in Fig. 2 illustrate the manner of elevating the seat 17 by means of the screw 27 by simply revolving the screw against the abutment 29, which tends to throw the seat upward. It will thus be seen that the child is more securely held, and the elevating of the seat may serve other purposes. The connections existing between the seat 17, arms 20, and uprights 1 and 22 insure a parallel movement of the seat and arms relatively to each other. As an additional bracing means for the back of the chair I provide between the uprights 1 a cross-piece 33.

From the foregoing description it will be seen that my improved chair is suspended by hangers or hooks carried by the back-rest or vertically-sliding frame to which the chair proper is secured, it being understood that in practice what I have just termed the "sliding" frame is, as a matter of fact, stationary when hung upon a support, such as an ordinary chair-back, and that the chair-back frame of my improved baby-chair is vertically adjustable thereupon without disengaging it from the support. By loosening the wing-nuts 9 and pressing downwardly upon the handles 16 of the catches 14 the chair can be raised or lowered to the desired position, whereupon the wing-nuts can be screwed up, the catches 14 caused to grip the uprights 1, and the chair is then secure against displacement. The nature of the catches 14 is such that they will prevent the chair from falling if through neglect or otherwise the wing-nuts are not securely tightened.

In the modified form illustrated in Fig. 6 the catch 14' is inserted in a slot 34 a little to one side of the slots 2, thus avoiding contact of these catches with the child.

Figs. 4 and 5 illustrate secondary downwardly-inclined slots or recesses 35, formed within the uprights 1 upon one side of the slots 2, which secondary slots are adapted to receive the spindles 3 and 7. By this means slipping of the chair-back frame from its adjusted position in the slots is prevented, as the spindles 3 and 7, resting in the recesses 35, are securely held therein by the weight of the child having the tendency to keep said spindles in the upper ends of the recesses 35 in obvious manner. When it is desired to

adjust the chair having this form of the invention, the wing-nuts 9 are loosened, the spindles 3 and 7 drawn out of their respective recesses and placed into the desired ones, and the nuts may be tightened again, when the chair is secure; but with this form of the invention the nuts may be entirely dispensed with, if desired.

It will be seen from the drawings and foregoing description that my improved chair can be folded into a compact structure for convenience in storage or shipment.

It will be understood that many of the minor details of construction hereinabove described may be varied without departing from the spirit or scope of my invention.

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

1. The combination in a chair of the character described, of vertically-slotted uprights, with a frame movable in and vertically adjustable along said slots and means upon said frame for detachably securing the same upon a support.

2. The combination in a chair of the character described, of a back-frame provided with slotted uprights, of a frame adjustable therein, and hangers pivotally supported upon said frame.

3. The combination, in a chair of the character described, of a frame provided with means for detachably securing it to a support, said means comprising spindles pivotally mounted at each end thereof in said frame, hooks carried by said spindles, a chair adjustably mounted upon said frame, and means for retaining the chair in an adjusted position.

4. In combination with a chair comprising back-uprights provided with vertically-disposed slots, a horizontally-disposed member slidably mounted within said slots, means upon said member for detachably securing the same to a support, said means comprising pivoted spindles provided with hangers, and means upon the seat of the chair for adjusting the position thereof with relation to the back-uprights.

5. In combination with a chair comprising back-uprights provided with vertically-disposed slots, a back-frame provided with spindles entering and traveling along said slots, and means for securely holding said back-uprights and said back-frame in adjusted positions, together with means upon the back-frame for detachably securing it to a support.

6. In combination with a chair comprising back-uprights having vertically-disposed slots, a back-frame having spindles entering said slots, means for securely holding said back-uprights and said back-frame in adjusted positions with relation to each other, means upon the back-frame for detachably securing it to a support, and auxiliary means



adapted to hold said back-frame against displacement, substantially as described.

7. A chair of the character described, comprising a frame having means thereon for detachably securing it to a support, a chair back and seat pivotally connected thereto and vertically adjustable with relation to said frame, and eccentric catches or the like carried by said frame, and adapted to impinge upon said chair-back to secure said frame and back against displacement.

8. The combination in a chair of the character described, of a frame having means thereon for detachably securing it to a support, a chair-back frame provided with vertical slots to receive said frame, said slots being provided with inclined recesses, substantially as and for the purpose described.

9. A chair of the character described, comprising a pair of members spaced apart and having between them pivoted hangers, a back-frame having uprights provided with vertical slots in which said members are adapted to travel, a pivoted seat connected to said uprights, arms connected to said uprights, rods pivotally connecting the arms and seat, a screw-spindle secured to the seat, at the bottom thereof, adapted to impinge against the back-frame to adjust the angle of the seat with relation thereto, and means for securing the members against relative displacement in said uprights, substantially as described.

10. In a chair of the character described, the combination with a horizontally-disposed member provided with spindles or the like at its ends, and means thereon for detachably securing it upon a support, of a chair-back vertically adjustable relatively to said member, said back having uprights provided with vertical slots and with recesses at an angle to

said slots and opening therein for receiving said spindles, substantially as described.

11. The combination in a chair of the character described, of a frame provided with means for detachably securing it to a support, said means comprising spindles pivotally mounted at each end thereof in said frame, hooks carried by said spindles, a chair adjustably mounted upon said frame, and slidable thereon, and means for retaining the chair in an adjusted position.

12. A chair of the character described, provided with an open frame to be detachably secured to a support, said frame having spindles movable therein and carrying hangers, and a chair slidable upon said frame for vertical adjustment thereof, means for retaining the chair in adjusted positions, and independent means for adjusting the angle of the seat of said chair.

13. In a chair of the character described, the combination of a frame provided with horizontally-disposed end members, means for detachably securing the frame to a support, a chair slidably connected to said frame and adapted for vertical adjustment thereon, and a guideway carried by the chair for guiding said end members.

14. In a chair of the character described, the combination of a frame provided with pins or the like at its ends, and pivoted hangers for detachably securing it to a support, a chair slidably connected to said frame and adapted for vertical adjustment thereon, a guideway carried by the chair for receiving said pins, and means for retaining the chair in adjusted position.

ALFRED P. PERKINS.

Witnesses:

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WM. HEULPRIN.