

(No Model.)

F. W. BROOKS.

RECLINING CHAIR.

No. 329,884.

Patented Nov. 10, 1885.

Fig. 1.

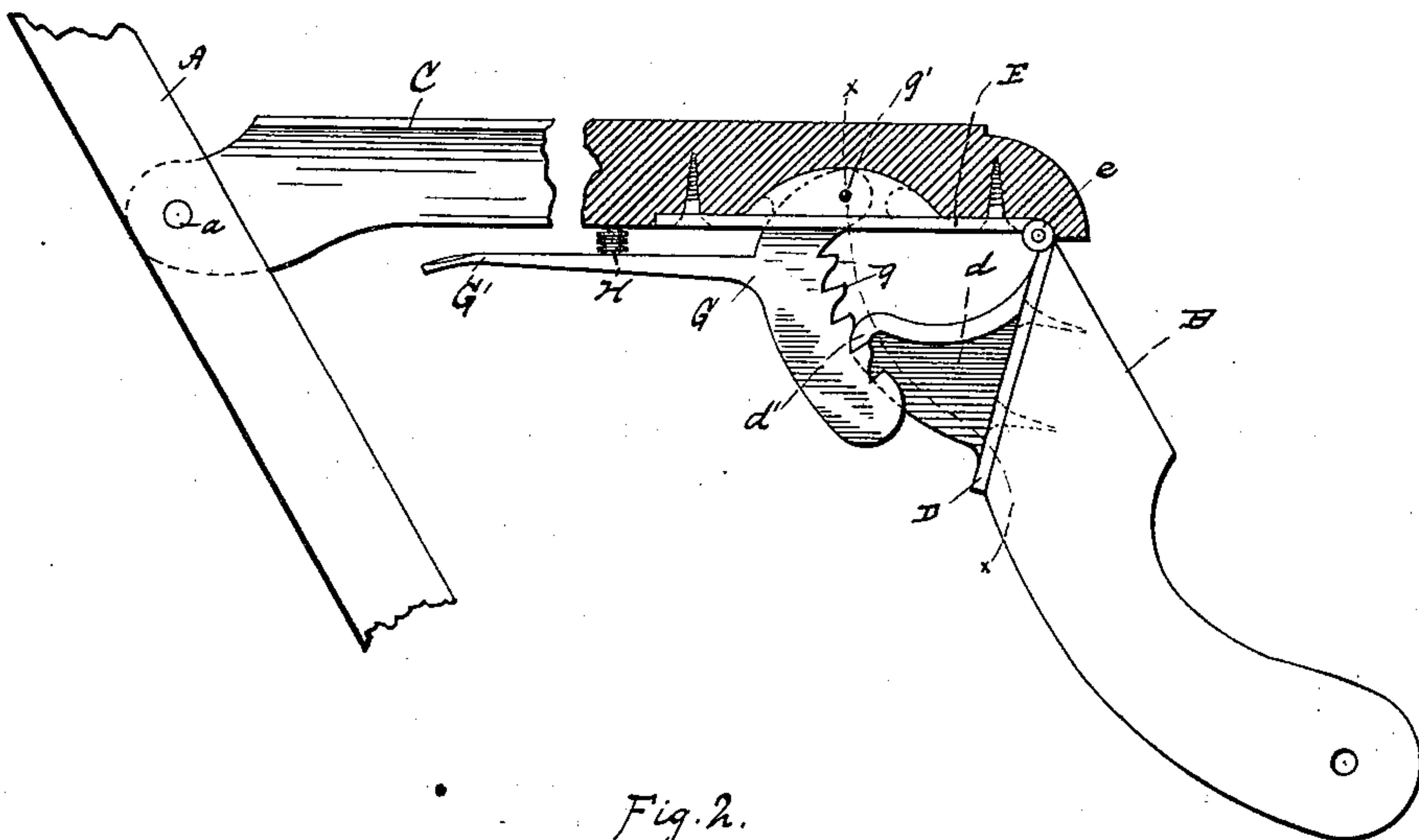


Fig. 2.

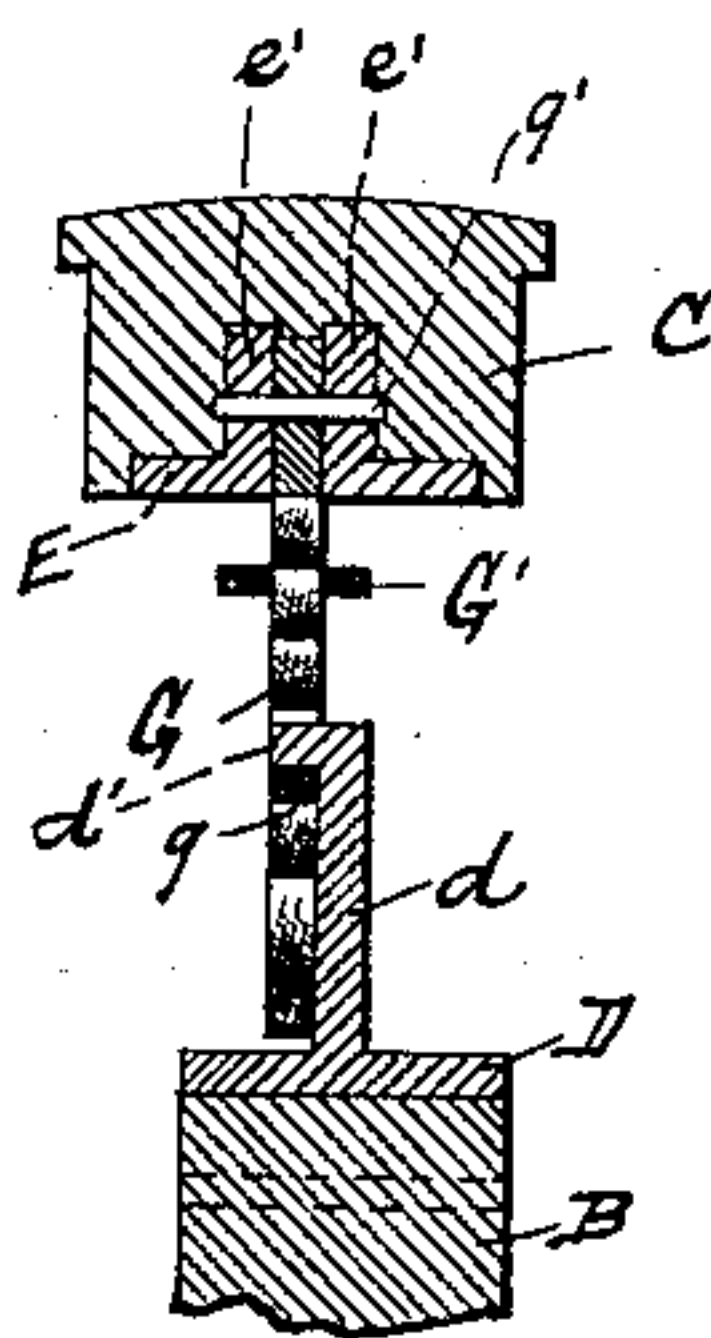
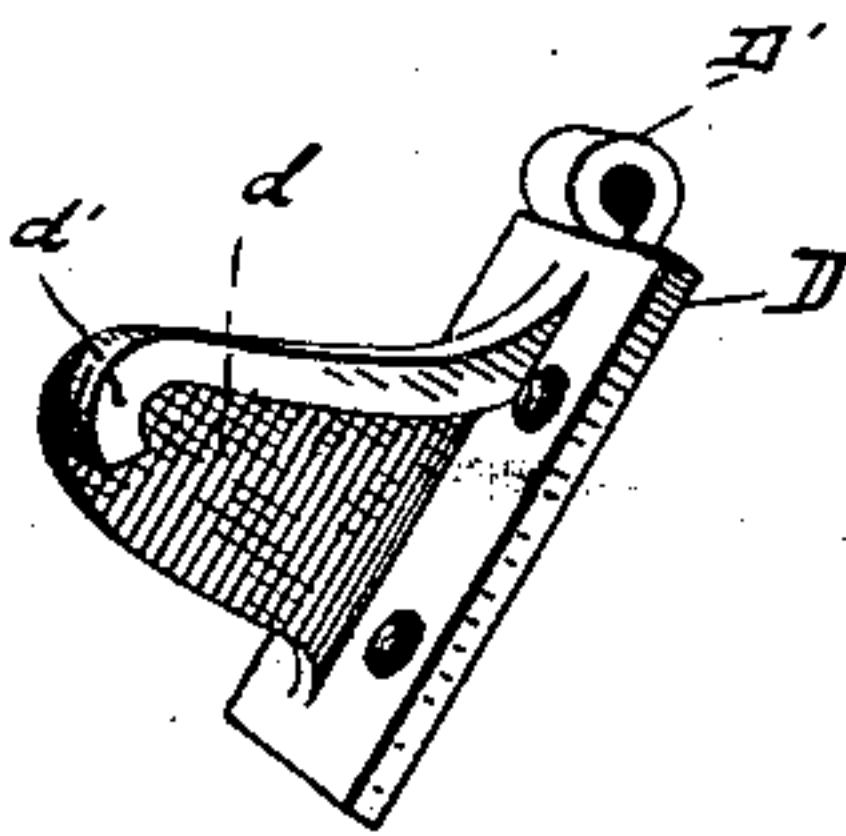


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

FREDERICK W. BROOKS, OF CLEVELAND, OHIO, ASSIGNOR TO FRANK H. MORRIS, OF SAME PLACE.

RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 329,884, dated November 10, 1885.

Application filed July 23, 1885. Serial No. 172,356. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. BROOKS, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Reclining-Chairs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to improvements in reclining-chairs; and it consists in certain features of construction and in combination of parts hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation, partly in section, of the portion of the chair embodying my invention. Fig. 2 is an elevation in transverse section of the locking device. Fig. 3 is a view in perspective of a portion of the hinge that forms also one part of the locking device.

The back of the chair, A, and the arm-posts B, are pivoted to the chair-seat in the usual manner. The arms C are pivoted at *a* to the chair-back, and are hinged to the arm-posts, the construction and arrangement of the hinges being as follows: The plate D is secured to the beveled upper end of the part B, and has an eye, D', that is embraced by and pivoted to the eyes *e* on the end of the plate E, the latter being secured to the under side of the arm C. The plate D has a web, *d*, with an overhanging hook part, *d'*, that engages the notches *g* of dog G. The dog is pivoted at *g'* between the ears *e'*, that project upwardly from the plate E, this part of the device being usually inclosed in and concealed by the wooden part of the arm. The dog G has an arm or thumb-piece, G', that extends rearward along under the arm C, in position to be grasped by the fingers when the hand is in position resting on arm C. The pivotal point *g'* is forward of the center of gravity, and the dog G will consequently, when left free, swing forward so that the notches *g* will engage the point *d'*.

When the chair-back is inclined to nearly a horizontal position, the point *d'* will engage the upper notch *g*, and when the back is in an upright position the said point will engage the

lower notch *g*. The intermediate notches will hold the back at other inclinations, as desired.

With the hands grasping the arms C, and the fingers pressing upward on the arms G', the dogs are disengaged from the points *d'* and the chair-back brought to the desired position, when, by releasing the lever G', the dogs will engage the points *d'*, and hold the back in position.

The dogs will ordinarily operate by gravity; but to make the engagement more certain I prefer to place a spring, H, between the arms C and G', which will render the engagement positive.

The device is cheap, strong, simple, and easily operated.

What I claim is—

1. In a reclining-chair, the combination, with the plates D and E, pivoted together, forming a hinge, the former being attached to the arm-post and the latter to the arm, the plate D having the hook *d*, of the dog G, having notches to engage the hook *d*, and an arm, G', for releasing the dog, the dog being pivoted to plate E in such a position that when free it will swing forward and engage the hook and support the chair-back, substantially as set forth.

2. In a reclining-chair, the combination, with the plates D and E, pivoted together and forming a hinge, the former being attached to the arm-post and the latter to the arm, the plate D having the hook *d*, of the dog G, having notches to engage the hook *d* on arm G', for releasing the dog, said arm G' provided with the spring H, for forcing the engagement of the dog, the dog being pivoted to the plate E in such a position that when free it will be forced forward by the spring H and engage the hook and support the chair-back, substantially as set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 7th day of July, 1885.

FREDERICK W. BROOKS.

Witnesses:

G. W. SHUMWAY,
N. S. AMSTUTZ.