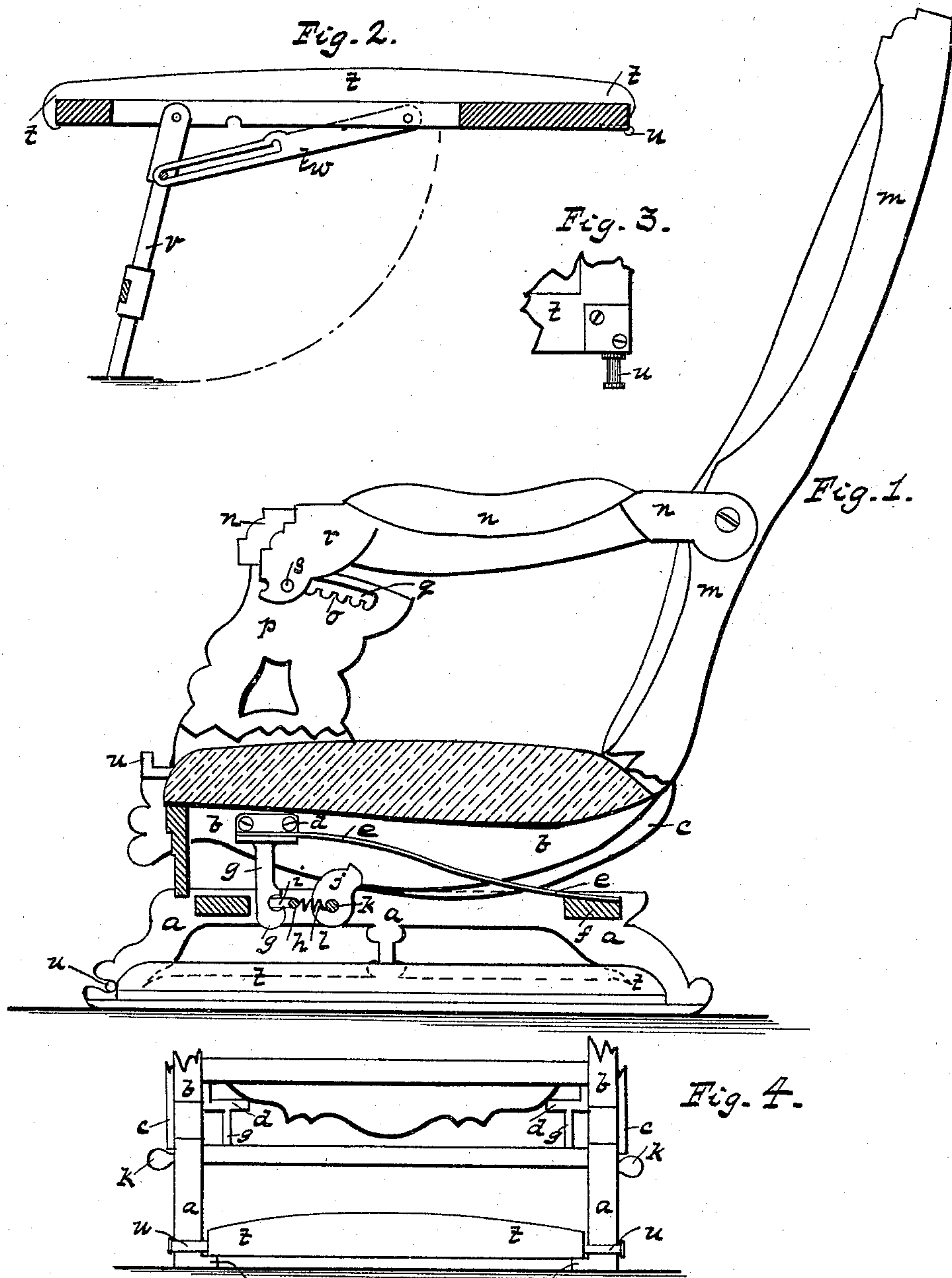


(No Model.)

F. NABAL.
ROCKING RECLINING CHAIR.

No. 369,806.

Patented Sept. 13, 1887.



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ROCKING RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 369,806, dated September 13, 1887.

Application filed April 14, 1887. Serial No. 234,844. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK NABAL, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Rocking 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, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in rocking reclining-chairs, which improvements will be fully understood from the following description, when taken in connection with the annexed drawings, in which—

Figure 1 is a side elevation of my improved chair, the lower portion of which I have shown in section the better to show the working parts. Fig. 2 is a sectional elevation of the foot-extension, which is brought in use when the article is used as a lounge. Fig. 3 is an inverted plan view of one of the hinges which attaches the foot-extension to the chair. Fig. 4 is a front elevation of the lower portion of the chair.

To put my invention into practice I provide a frame or base, *a*, of suitable size and form of construction. On the top of this frame *a*, I mount two rockers, *b*, which support a chair, properly upholstered, and held in place by overlapping guides *c*. From two brackets, *d*, secured to the inner sides of the rockers *b*, are two flat springs, *e*, projecting toward the rear and made fast to a cross-piece, *f*, of the frame *a*. These springs *e* serve to retain the chair in a proper position. On each of the brackets *d* are downwardly-projecting hooks *g*, which, when engaged with a horizontal rod, *h*, moving in a slot, *i*, formed in the upper portion of the frame *a* and actuated by an eccentric, *j*, secured to a rod, *k*, converts the chair into a rocker. A small spiral spring, *l*, attached to each of these rods *h*, serves to withdraw the rod *h* from the hook *g* when the eccentric *j* is revolved to vertical position. The back *m* of the chair I pivot to the rockers *b* and the arms *n*, which, in conjunction with a ratchet, *o*, formed in the connecting-piece *p*, allows the same to be adjusted to any desired

position. These ratchets *o*, I form in slots *q*, in the upper portion of the pieces *p*, supporting the forward part of the arms *n*, which are connected to the same by overlapping metallic pieces *r* and small transverse pins *s*. I now provide an extension foot-piece, *t*, which, when the article is to be converted into a reclining-chair, is attached to the forward part of the chair by detachable hinges *u*. The outer extremity of this foot-piece *t* is supported by folding legs *v*, capable of being folded flush with the under side of the foot-piece *t*, or revolved to a vertical position, secured there by a slotted hinged arm, *w*, as will be seen by reference to Fig. 2 on the drawings. This foot-piece *t*, when not in use, is folded and secured in the base of the frame *a*, and supported in that position by inwardly-projecting strips *x*, attached to the base of the chair.

In order to convert the article into a rocking-chair, the eccentric *j* occupies a position such as shown at Fig. 1 on the drawings, which disengages the cross-bar *h* from the hooks *g* and allows the chair to be moved back and forward on the rockers *b*. If, however, it is desired to convert the article into a chair, the eccentric *j* is revolved forward, which operation moves the bar *h* forward and engages the same with the downwardly-projecting hooks *g*, thereby attaching rigidly the chair to the frame *a*. When it is desired to form a reclining-chair, the arms *n* are raised, which elevates the small pins *s* out of the ratchet *o*, and allows the back to be pushed back to nearly a horizontal position. The foot-extension *t* is removed from the frame *a*, and the legs *v* of the same revolved to a vertical position, and the whole attached to the front part of the chair by the detachable hinges *u*.

It will be seen by reference to Fig. 1 of the drawings that the back of the chair may be given any desired degree of inclination by adjusting the small pins *s* in any part of the ratchet *o*.

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

1. In a combined rocking and reclining chair, the combination, with the base *a* and the rockers, of the bracket *d*, having a depending hook, *g*, the spring-actuated rod *h*, adapted to engage with said hook, and the

cam *f*, adapted to cause said engagement, substantially as described.

2. The combination, with the base *a* and the chair-rockers having flanges or guides *c*, of
5 the spring *e*, the bracket *d*, on which the front end of this spring presses, the depending hook *g*, integral with the said bracket, the cross-bar *h*, guided by slot *i* and adapted to engage with

said hook, the retracting-spring for said cross-bar, and the cam *f*, adapted to engage the 10 cross-bar with the hook, substantially as specified.

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Witnesses:

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