

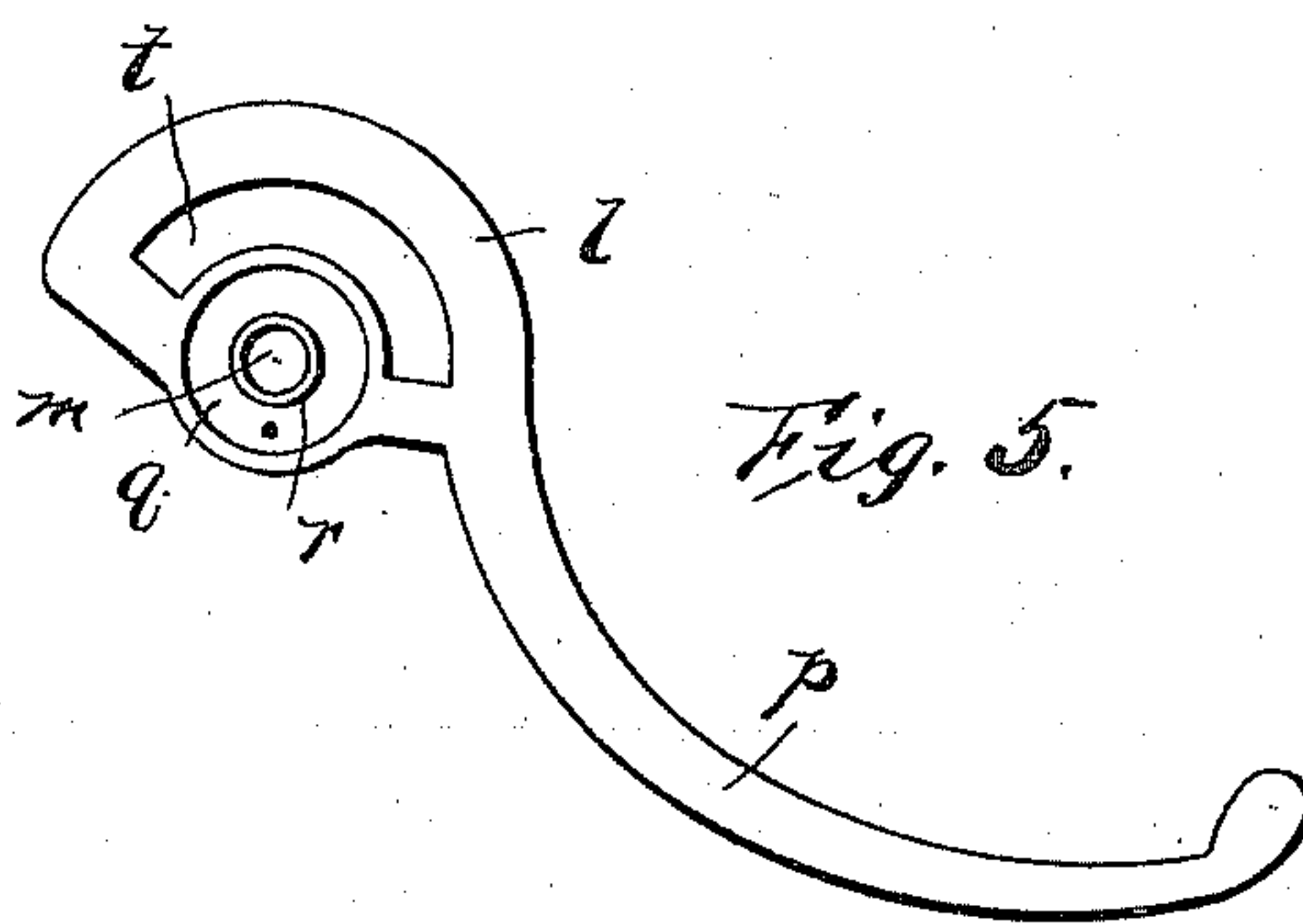
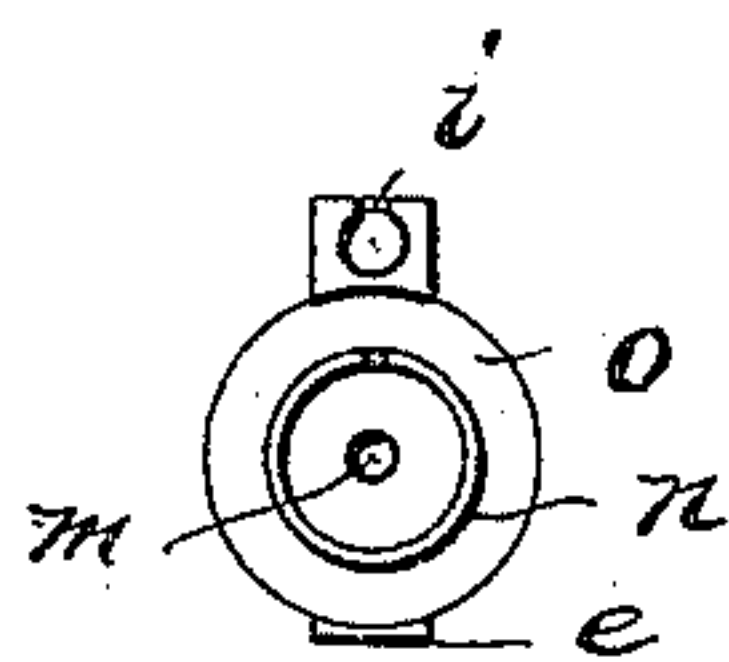
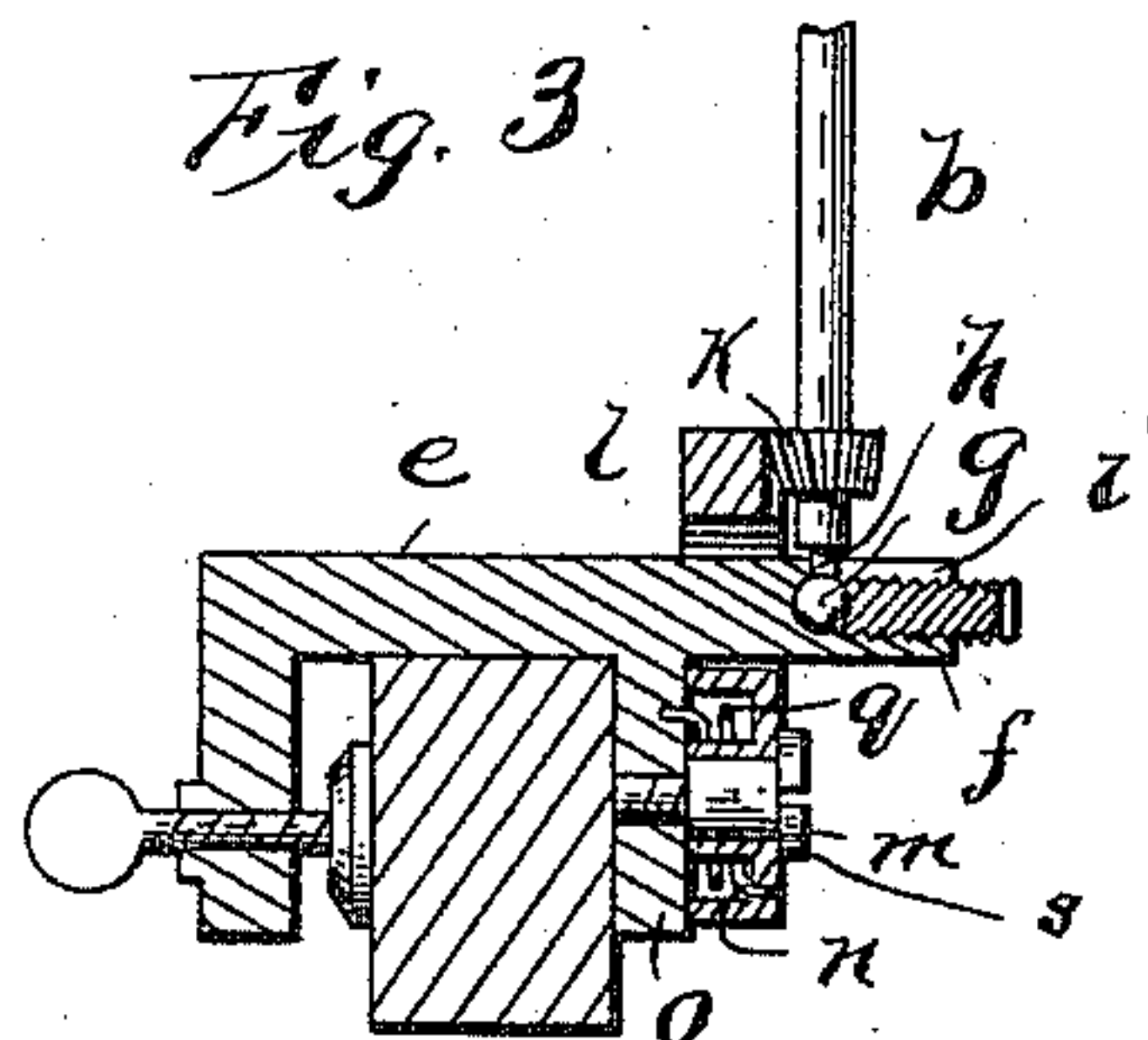
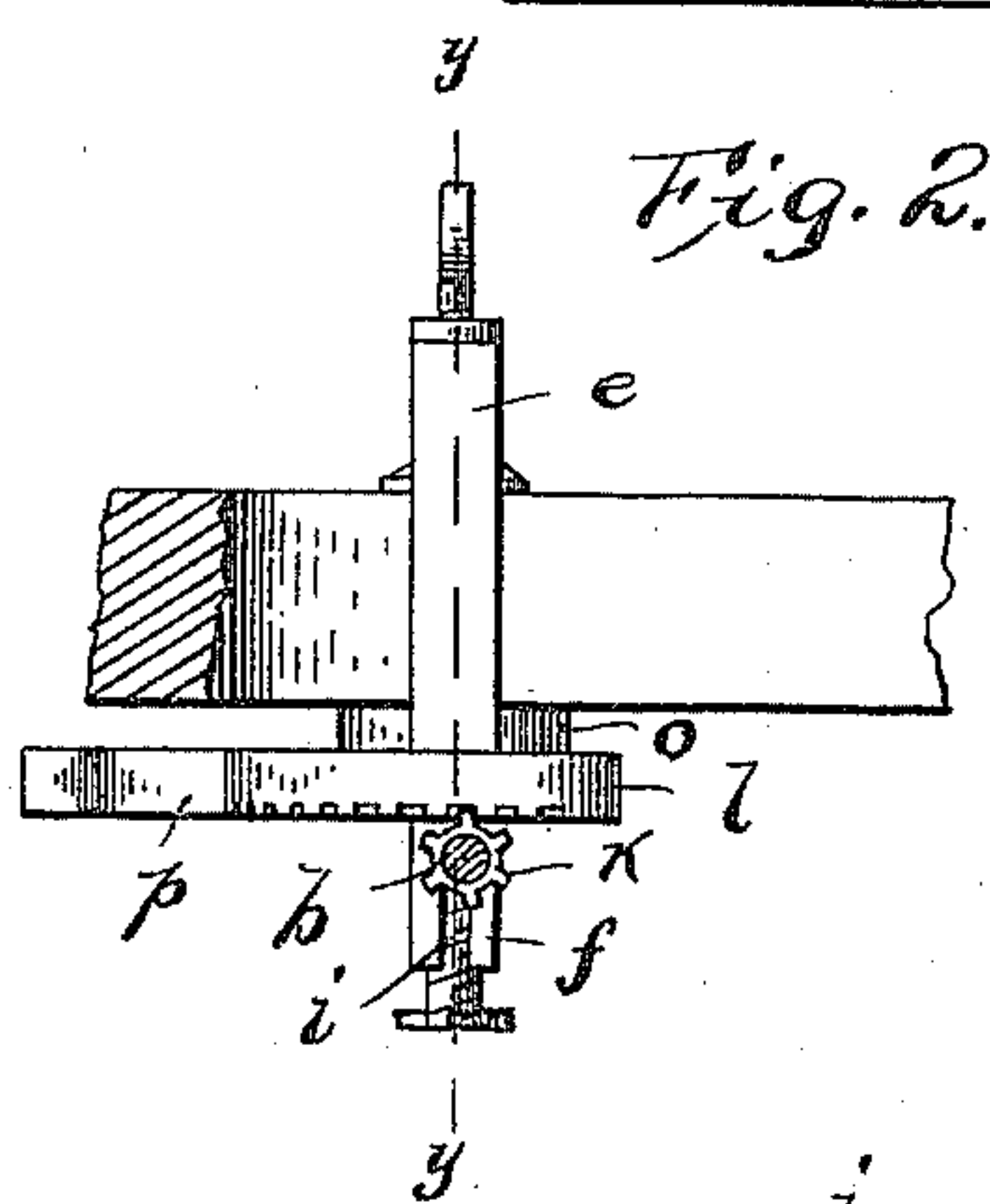
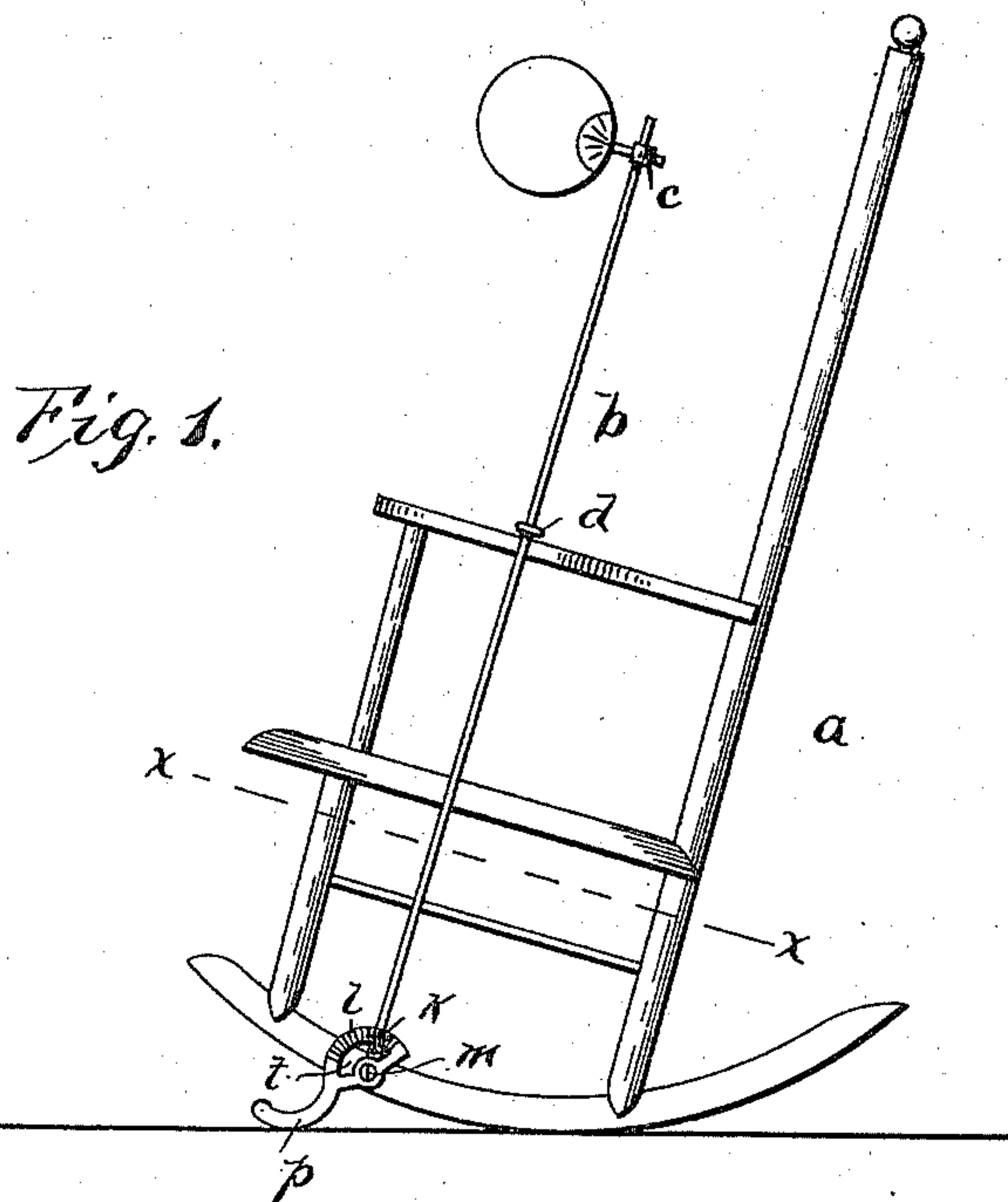
(No Model.)

R. TAGGART.

FAN ATTACHMENT FOR ROCKING CHAIRS.

No. 573,114.

Patented Dec. 15, 1896.



Witnesses

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ROBERT TAGGART, OF DECATUR, ILLINOIS.

FAN ATTACHMENT FOR ROCKING-CHAIRS.

SPECIFICATION forming part of Letters Patent No. 573,114, dated December 15, 1896.

Application filed April 2, 1896. Serial No. 585,891. (No model.)

To all whom it may concern:

Be it known that I, ROBERT TAGGART, of Decatur, in the county of Macon and State of Illinois, have invented certain new and useful Improvements in Fan Attachments for Rocking-Chairs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention relates to certain new and useful improvements in automatic fans for chairs.

The object of the invention is to provide a fan attachment for rocking-chairs simple and durable of construction and effective in operation.

A further object is to provide a fan attachment for rocking-chairs composed of a minimum number of parts and one that can be easily and quickly adjusted, attached, or removed.

A further object of my invention is to provide means for adjusting the fan at any desired height or angle and operated by the oscillation of the chair.

The invention consists of certain other novel features of construction and in combinations of parts more fully described hereinafter and particularly pointed out in the claims.

Referring to the accompanying drawings, Figure 1 shows my improvement in elevation attached to a rocking-chair. Fig. 2 is a detail sectional view on the line *x x*, Fig. 1. Fig. 3 is a vertical section of a portion of my invention on the line *y y*, Fig. 2; and Figs. 4 and 5 are detail views thereof.

In the drawings, *a* indicates a rocking-chair, and *b* a vertical rocking or revolving shaft carrying the fan-clamp *c* and held in the desired position by suitable supports, such as clamp *d*. The clamp *c* is adapted, by means of a set-screw, to securely hold the fan in any desired adjustment.

e is a clamp designed to fit the rocker of a chair and rigidly held in position by any suitable means, preferably a set or thumb screw, the top frame *f* of said clamp projecting be-

yond the rocker and provided in its end with a bearing or step for the rocking or revolving shaft *b*.

The revolving shaft *b* has on its lower end a ball *g*, connected to said shaft by the neck *h* and adapted to enter the bearing or step by means of the ball *g* passing into the screw-threaded opening to the concave wall thereof and the neck *h* passing along the slot *i* in the top of said screw-threaded opening. The slot *i* being smaller than the screw-threaded opening or step, the ball when adjusted and the plug *j* screwed into said opening or step is securely but freely and movably held therein, forming a ball-joint.

Near the lower end of the rock or revolving shaft *b* is a gearing *k*, adapted to engage and be operated by the toothed segment *l*, pivoted at *m* and held normally by the coil-spring *n*, one end of said spring being held by the outer wall or frame *o* of the clamp *e*, the other end of said spring being carried by the toothed segment *l* and housed in the circular slot *q* in the inner wall thereof. The said segment *l* is provided with the downwardly-projecting curved arm *p*, which projects below the plane of the rocker and is operated by the oscillating motion of the chair.

At the pivotal opening of the segment *l* is a sleeve *r* integral therewith, forming the inner wall of the curved slot or spring-box *q*, and also a bearing for the shouldered screw *s*, which passes through the pivotal opening and is screwed into the outer wall *o* of the clamp *e*.

A curved slot *t* is arranged in the segment *l* for the passage of the extended top frame *f* of the clamp *e*.

The parts being in operative position and the chair ready for an occupant, the curved arm resting on the floor, the gearing meshing at the extreme rear of the segment. Thus the chair is held at its full backward position.

When the chair is rocked forward, the curved arm continually resting on the floor, presses in an opposite direction to the oscillation of the chair, and being pivoted works in a circular path, thereby keeping the toothed segment and the pinion-gear of the vertical rotating shaft in engagement throughout the motion, which is limited by the curved slot *t* and the extended top frame *f* of the clamp *e*.

When the pressure against the tension of the coil-spring *n* is removed by the person rocking backward, the said spring comes into play and being adapted to normally hold the curved arm to the floor the vertical shaft is rotated in the opposite direction.

It is evident that various changes might be made in the forms, construction, and arrangements of the parts without departing from the spirit of my invention. Hence I do not wish to limit myself to the exact construction herein described, but consider myself entitled to all such changes which fall within the spirit and scope of my invention.

Having thus fully described my invention, what I claim is—

1. In a fan attachment for rocking-chairs, the combination of a clamp secured to the rocker of the chair, the upper frame of said clamp extending beyond the rocker, a vertical revolving shaft, a bearing for said shaft in said clamp, means for adjusting the shaft in the bearing, a spring-actuated toothed

segment, a gear on said vertical shaft meshing with said toothed segment, the downwardly-extending arm or lever yieldingly held against the oscillating motion of the chair and adapted to operate said toothed segment, substantially as described.

2. A fan attachment for rocking-chairs comprising a vertical revolving shaft carrying a fan, a clamp attached to the rocker, a bearing for said revolving shaft in said clamp, adjusting means for said shaft in said bearing, a spring-actuated toothed segment, gearing on the revolving shaft meshing with said toothed segment, an arm or lever adapted to operate the revolving shaft by the oscillation of the chair, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ROBERT TAGGART.

Witnesses:

S. W. JOHNS,

RALPH K. TAGGART.