

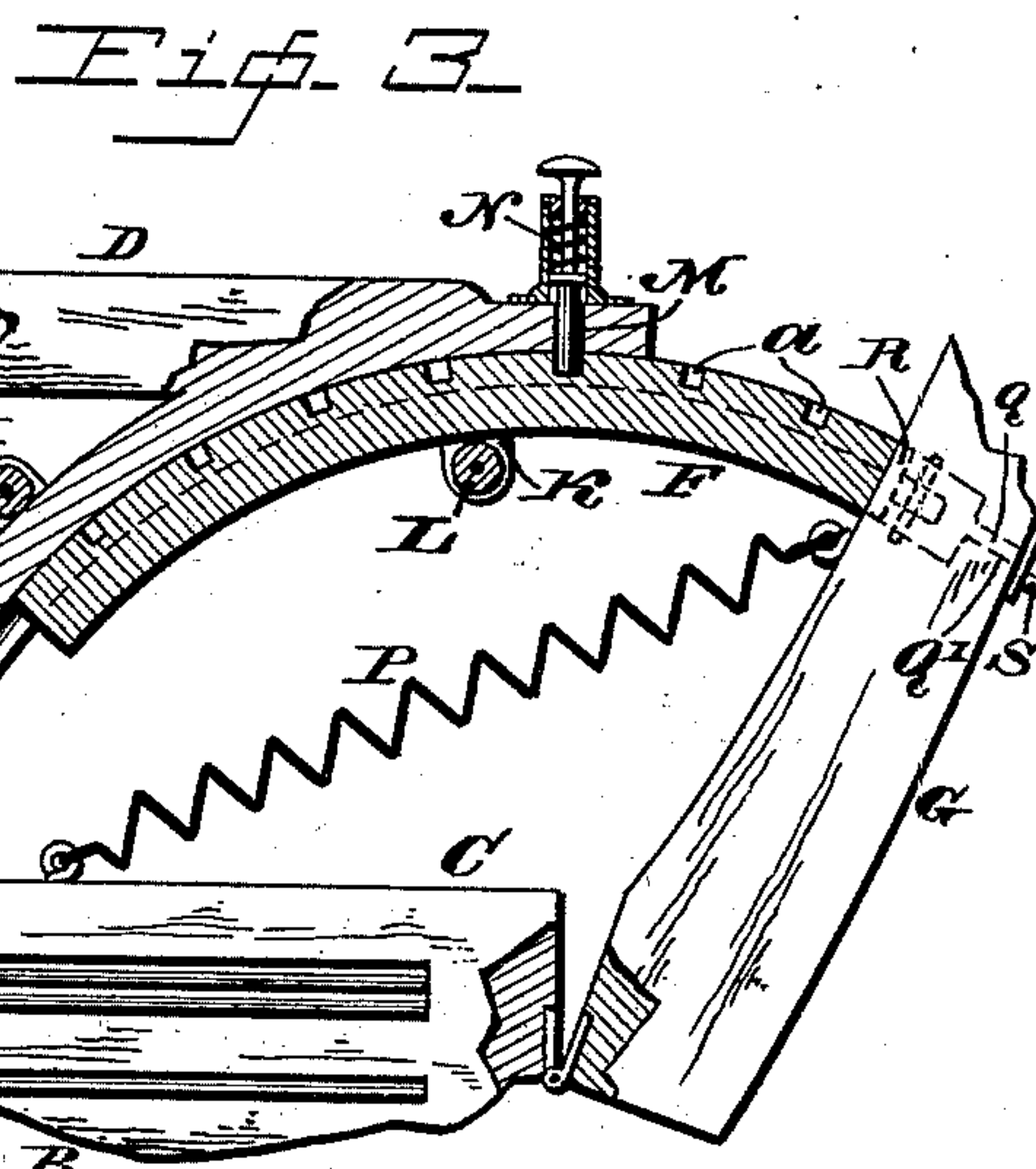
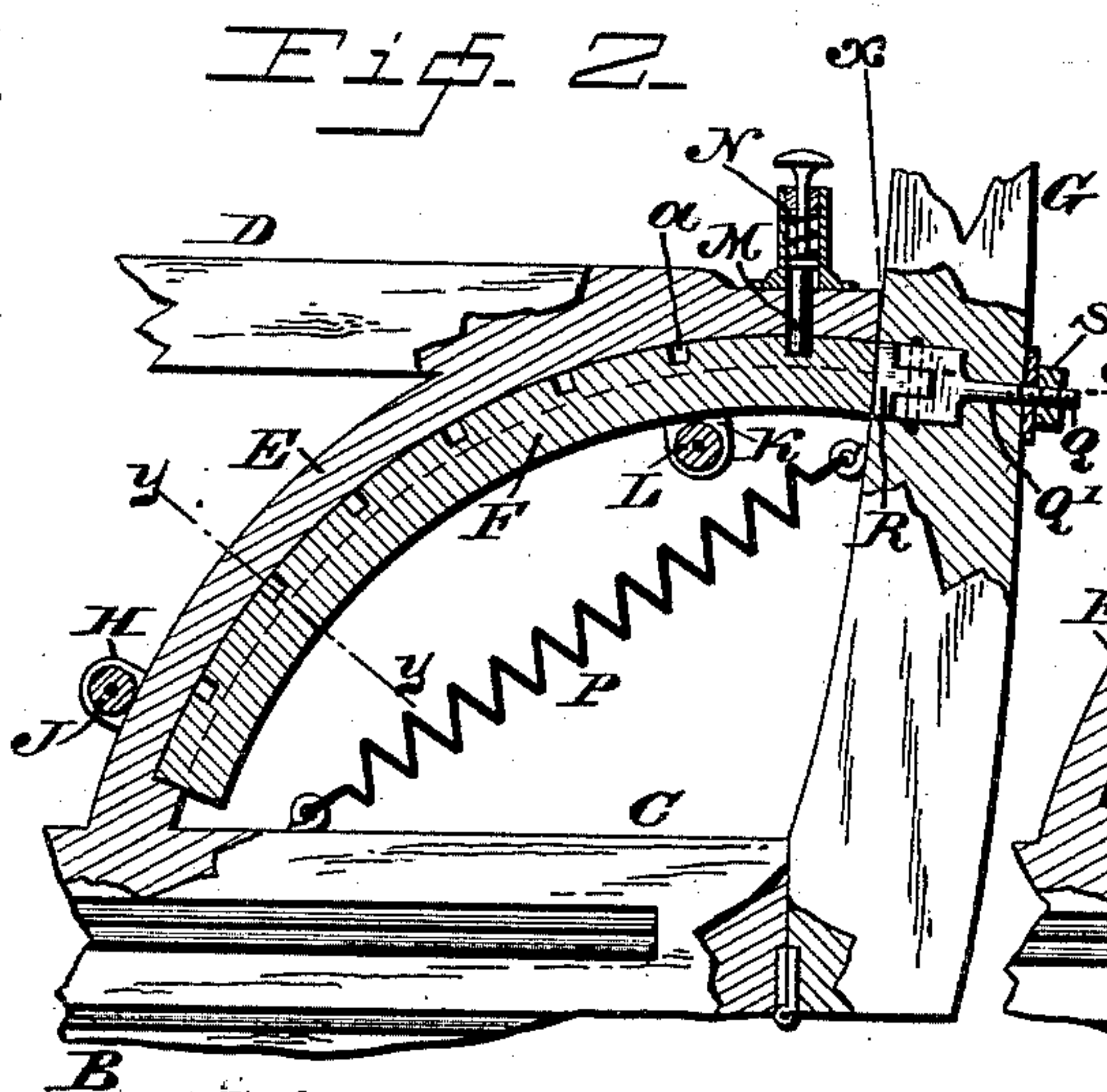
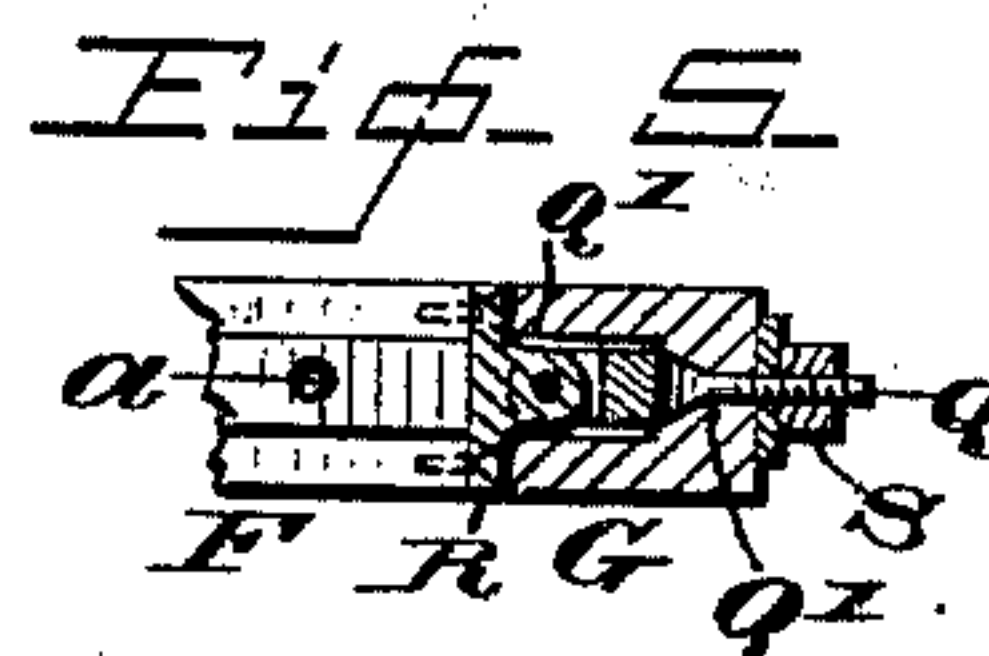
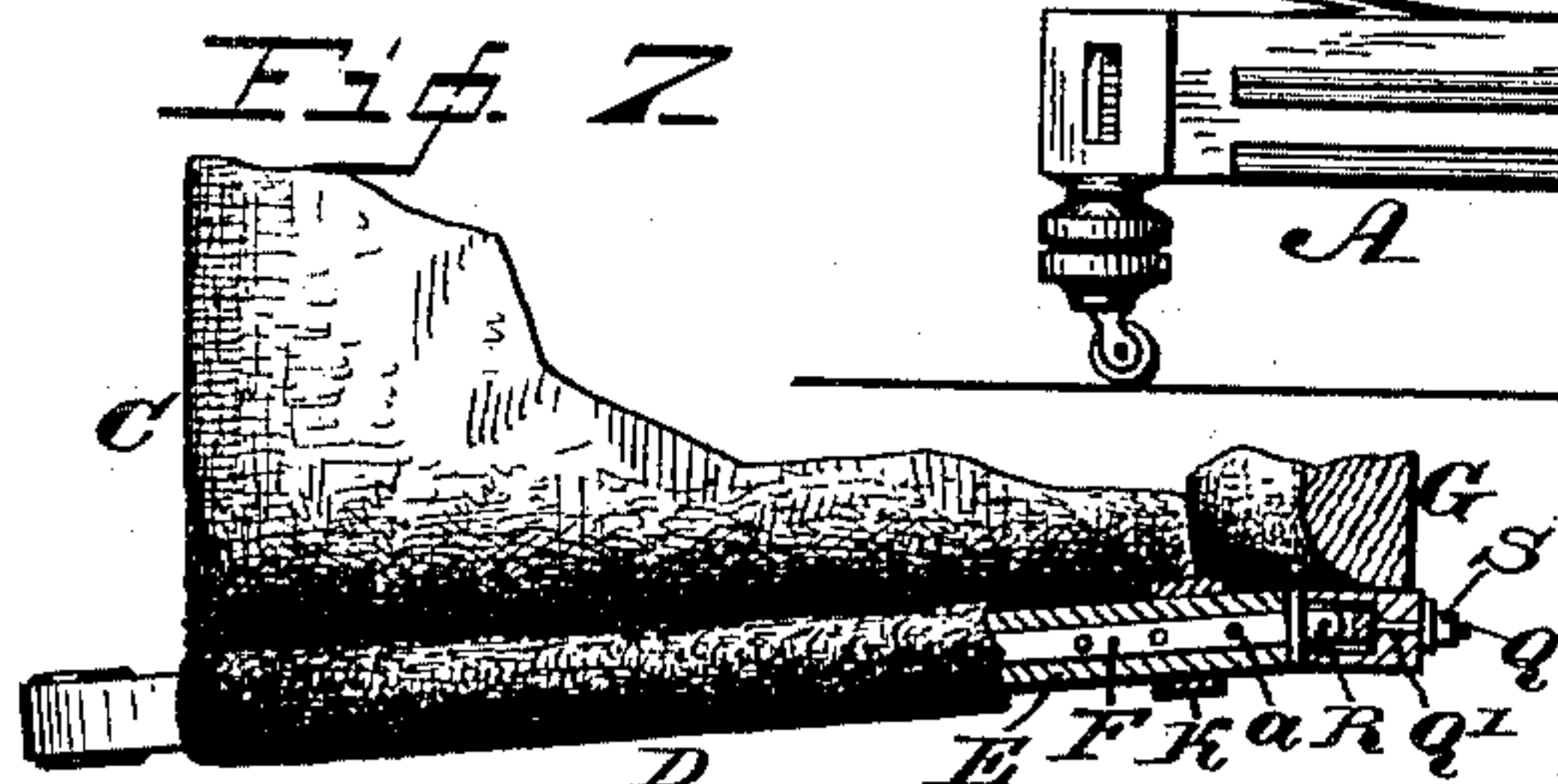
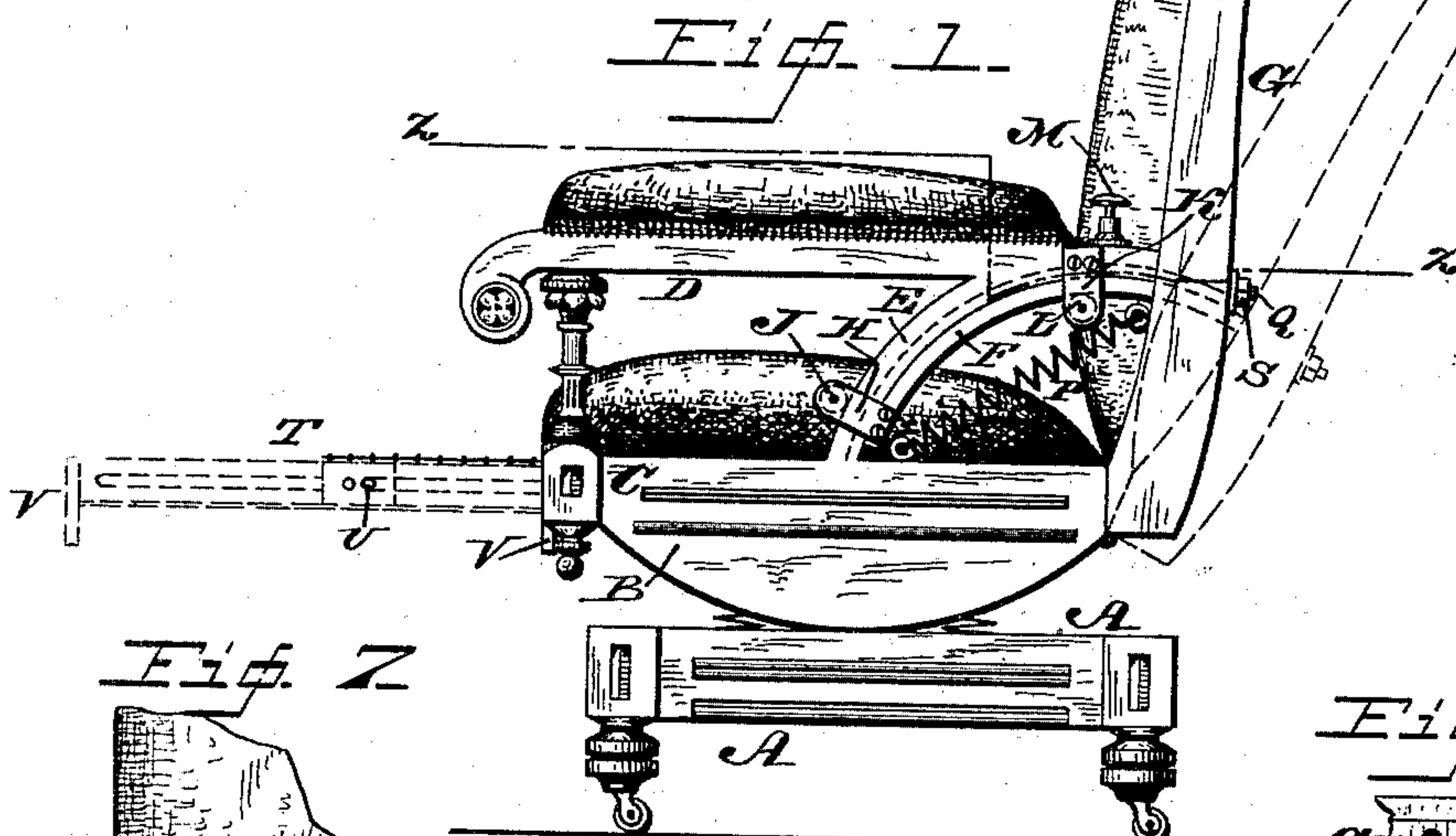
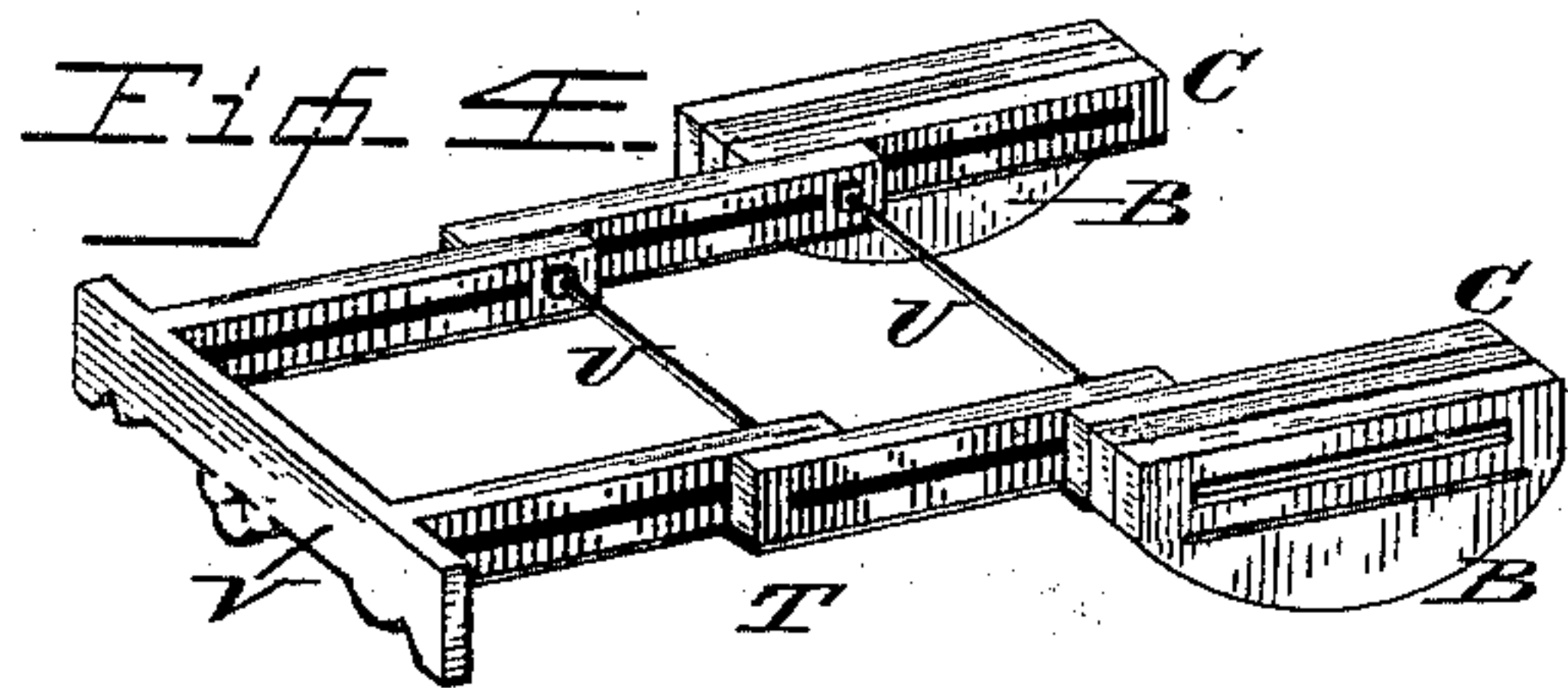
(No Model.)

E. MÜHL.

ROCKING AND RECLINING CHAIR OR LOUNGE.

No. 426,601.

Patented Apr. 29, 1890.



WITNESSES:

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ROCKING AND RECLINING CHAIR OR LOUNGE.

SPECIFICATION forming part of Letters Patent No. 426,601, dated April 29, 1890.

Application filed April 19, 1889. Serial No. 307,800. (No model.)

To all whom it may concern:

Be it known that I, ERNST MÜHL, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Rocking and Reclining Chairs or Lounges, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a chair or lounge having its back adjustably connected with the arm-rests by means of segments, which, movable with the back, are fitted to segments on said arm-rests, the segments being provided with means for holding the same in the adjusted positions of the back.

It also consists of means for connecting the movable segments with the back, whereby binding of the parts is prevented.

It also consists of rollers on opposite sides of the segments for connecting the same and easing the motion of the segments, which move with the back.

It also consists of a foot-rest of a novel construction.

Figure 1 represents a side elevation of a chair embodying my invention. Figs. 2 and 3 represent partial vertical sections and partial side elevations of portions thereof on an enlarged scale. Fig. 4 represents a perspective view of the foot-rest. Figs. 5 and 6 represent sections of portions respectively on line xx and yy , Fig. 2. Fig. 7 represents a horizontal section on line zz , Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates the base of the chair, and B designates rockers, which are connected with the seat-frame C and are supported on the base A, which features, broadly considered, are well known in spring rocking-chairs.

D designates the arm-rests, portions of which are of the form of segments E, to which are fitted movable segments F, the rear ends whereof are connected with the back G, the lower portion of the frame of which is hinged to the seat-frame. The contiguous parts of the segments E F are tongued and grooved, thus guiding the segments F in their move-

ments and preventing lateral displacement thereof.

Connected with the forward end of the segment F is a strap H, on whose outer end is mounted a roller J, which rests against the outer faces of the segments E. Connected with the rear end of segment E is a strap K, on whose inner end is mounted a roller L, which rests against the under face of the segment F. By means of the rollers J L the segment F is held in position on the segment E and moved with ease during the adjustment of the back.

In the upper face of the segment F are openings or recesses a to receive a bolt M, which is connected with the rear of the arm-rest or segment E thereof and pressed downwardly by a spring N, suitably attached to said bolt. It will be seen that when the bolt is raised the back may be thrown back, thus converting the chair into a reclining-chair. When the back has its adjusted position, the bolt is let go and dropped into the adjacent recess a , whereby the back is held, the chair now being serviceable both as reclining and rocking. When the back is to assume its normal position, the bolt is raised, so as to be disconnected from the segment F, when the back returns or swings forward, due to the action of a spring P, which is connected with the back and seat-frame. The back is secured to the segment F by means of a bolt Q, which passes through a horizontal slot Q' in the frame of the back, and has its inner end hinged or pivoted to a casting R, attached to said segment, the outer end of the bolt being threaded for engagement of a nut S, which tightens against said frame. By this construction, as the arm-rests flare in front and converge rearward and the segments F join the back at an obtuse angle, when said back is moved in either direction, the bolt Q turns on the casting R, and is thereby prevented from binding in the back as it changes its angle with the motions of the back.

T designates the foot-rest, formed of a number of slides fitted to each other in a manner telescopically, so as to be unfolded or adjusted in length, and when not in use to be folded within the seat-frame, said slides be-

ing longitudinally slotted so as to receive the ends of the transverse strengthening-bolts U, said ends serving to guide the slides. The innerslides are connected with the seat-frame, 5 and the outer slide has at its forward end a bar V, which, when the foot-rest is folded within the seat-frame, serves to close the front of the opening which said rest occupies.

While I have described the segments with 10 their appurtenances and connections on one side of the chair, it is evident that the opposite side may be similarly constructed and provided.

Having thus described my invention, what I 15 claim as new, and desire to secure by Letters Patent, is—

1. In a rocking and reclining chair, the seat-frame C, having the segments E connected therewith, the back G, hinged to said seat-frame and having the segments F connected 20 therewith, and the straps H and K, with rollers connecting said segments, the said straps being respectively secured to each of said segments and embracing the sides of the other, and the 25 said rollers being journaled in the said straps and with the same forming guides for the segments, said parts being combined substantially as described.

2. The combination of a seat-frame having 30 the grooved segments E, the back G, hinged to said seat-frame and having the tongued segments F, pivotally connected therewith, the connecting-straps H and K, with rollers journaled therein forming guides, and means, 35 substantially as described, connected with

said segments E and F, for securing the same in fixed relative position, substantially as and for the purpose set forth.

3. The seat-frame C, with rockers B, the segments E, connected with said seat-frame and 40 having the opening with spring-bolt M, the back G, hinged at its lower end to said seat-frame, the segments F, having recesses a, the straps H and K, with rollers J and L, said straps being connected with the segments F 45 and E, respectively, the bolt Q, secured to the back G and pivotally attached to the segments E, and the spring P, said parts being combined substantially as described.

4. The seat-frame C, with segments E, the 50 back G, hinged to said frame and having the horizontal slot Q in the frame thereof, the bolt Q' in said slot, the segments F, having castings R attached thereto, and the nut S 55 on the threaded outer end of the bolt Q', the said segments E and F moving on each other and having a fastening or locking device, said parts being combined substantially as and for the purpose set forth.

5. The telescopic foot-rest T, consisting of 60 pairs of parallel slides having transverse connecting-bolts, the ends of which operate in the grooves of the next inner pair, and the outer pair having a cross-bar V, said parts being combined substantially as described.

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