

(No Model.)

2 Sheets—Sheet 2.

J. M. DOW.
PHOTOGRAPHIC POSING CHAIR.

No. 435,056.

Patented Aug. 26, 1890.

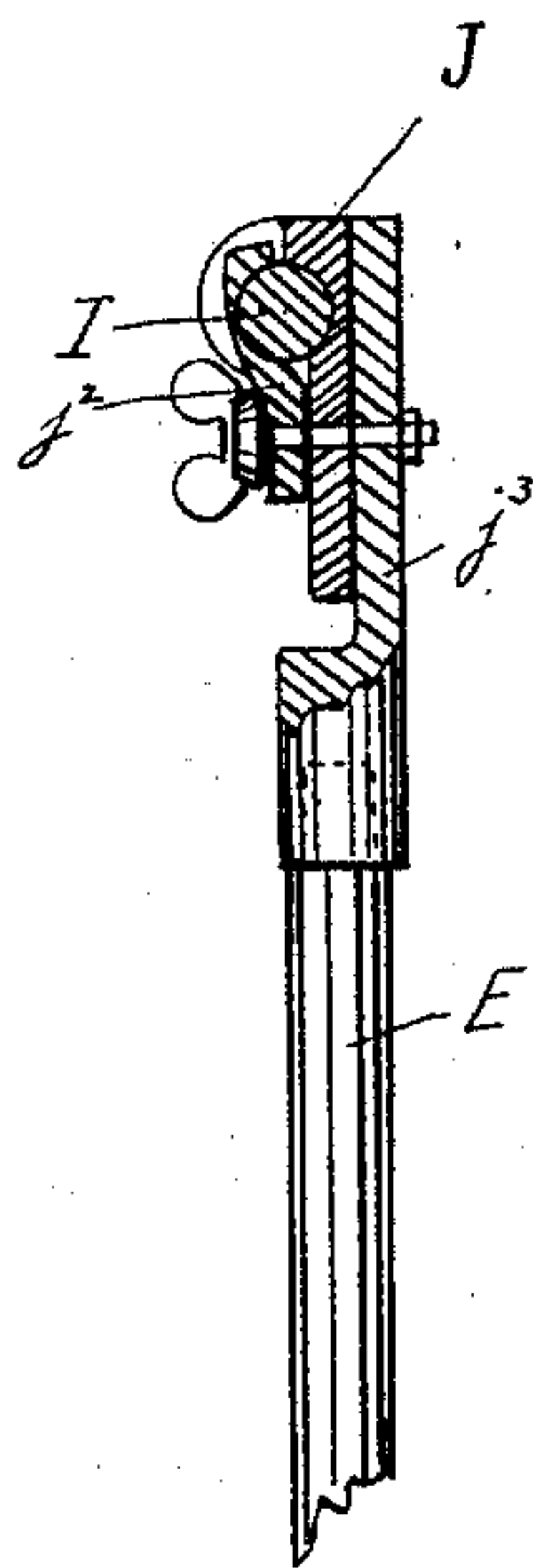


Fig. 5.

Fig. 7.

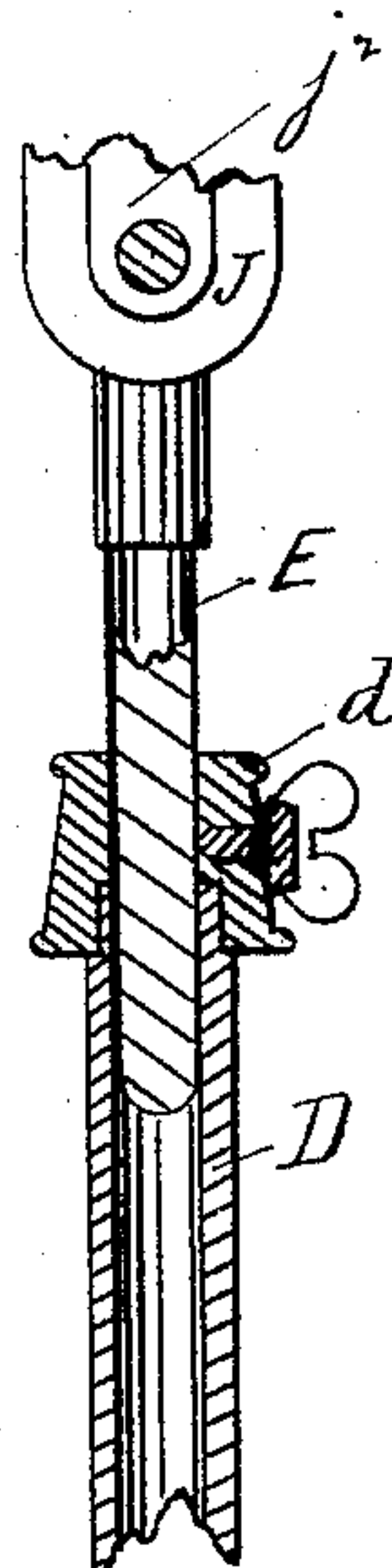
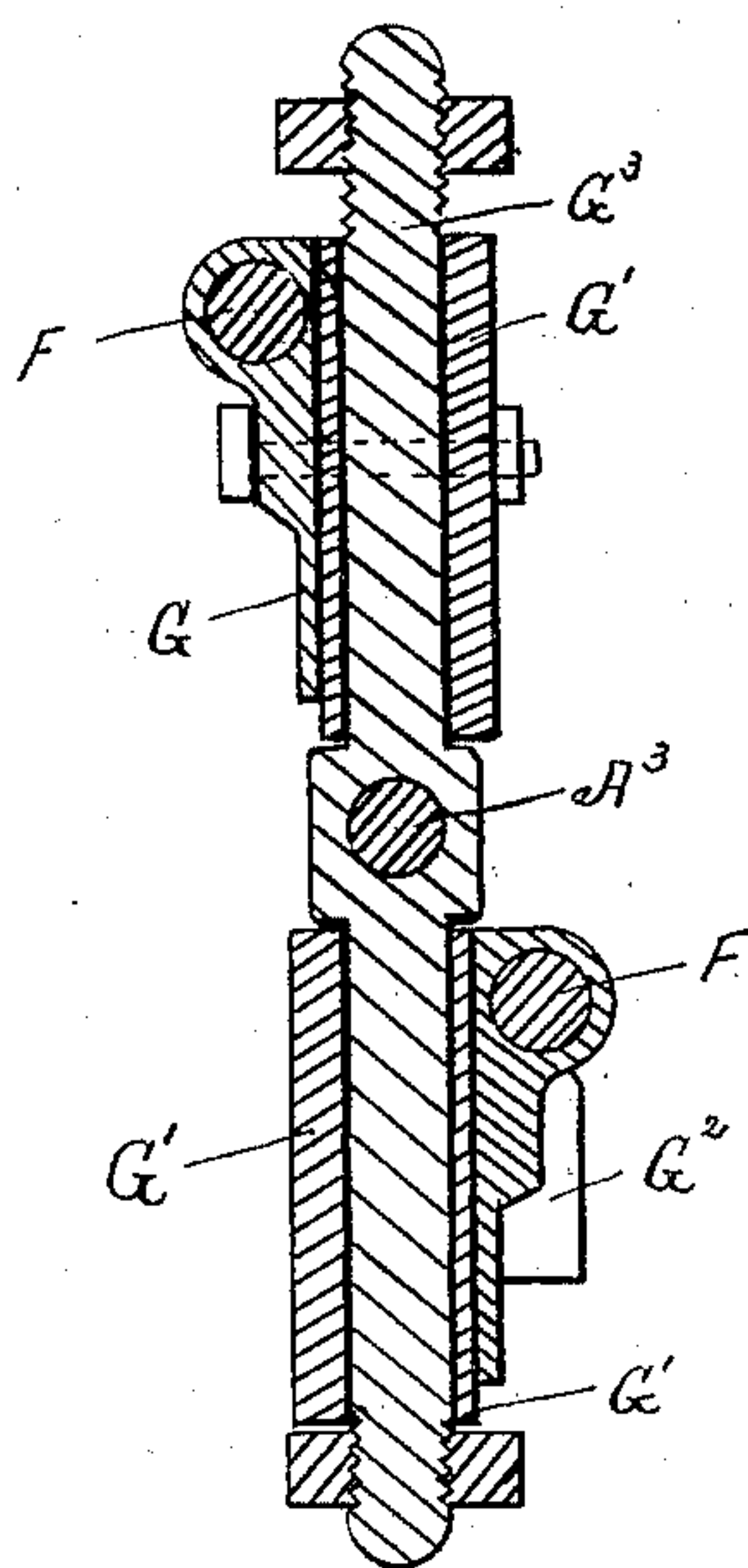


Fig. 6.

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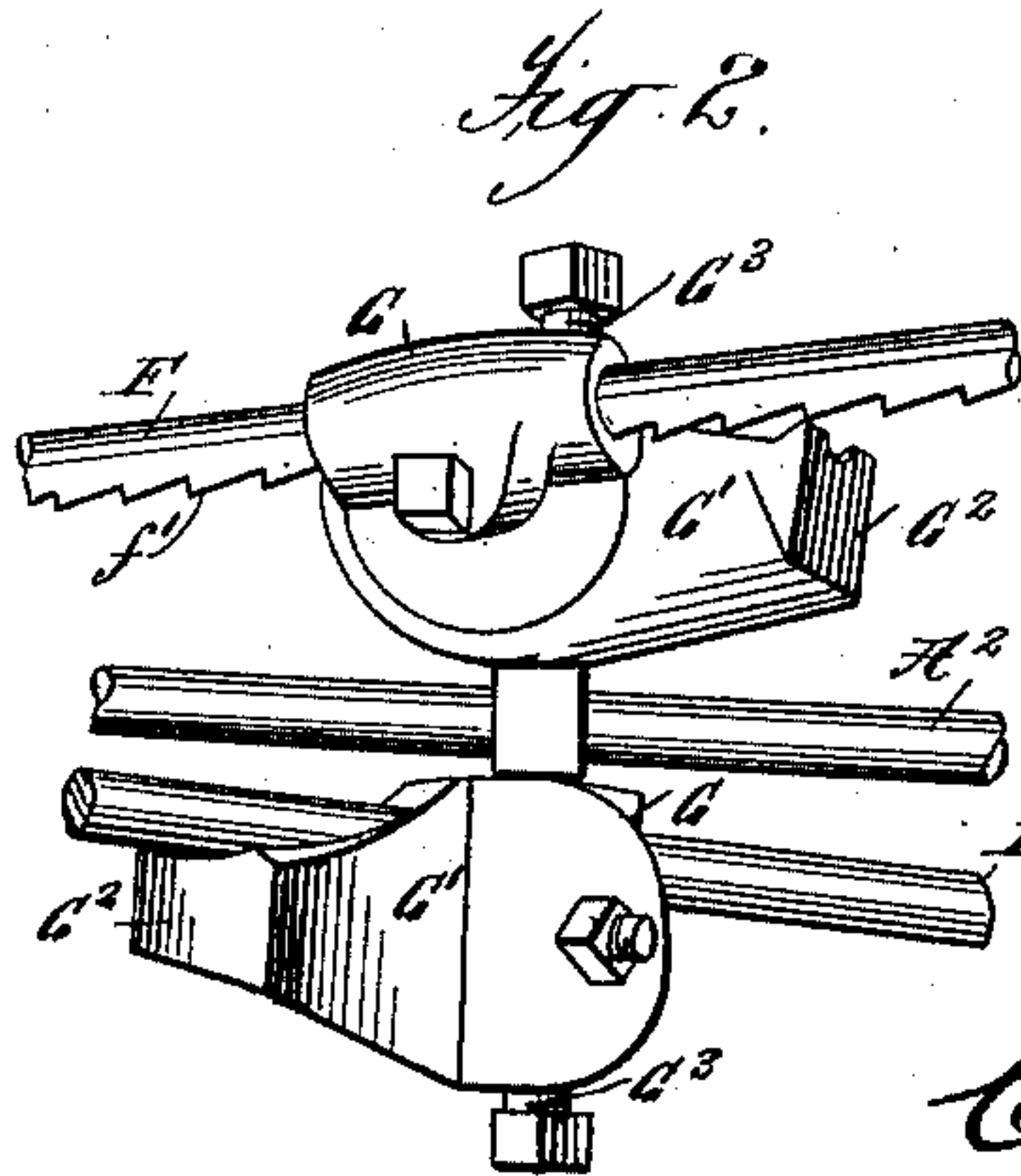
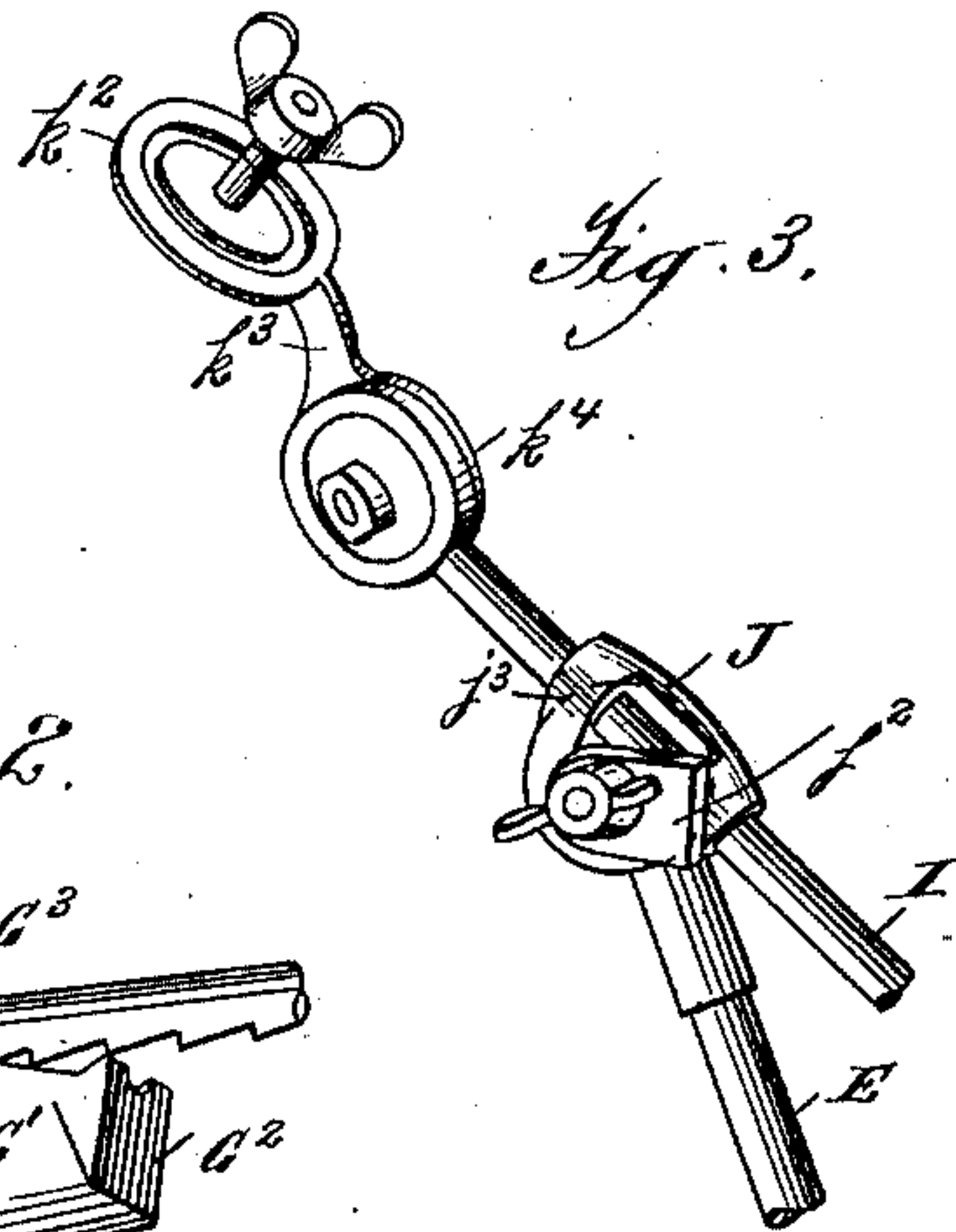
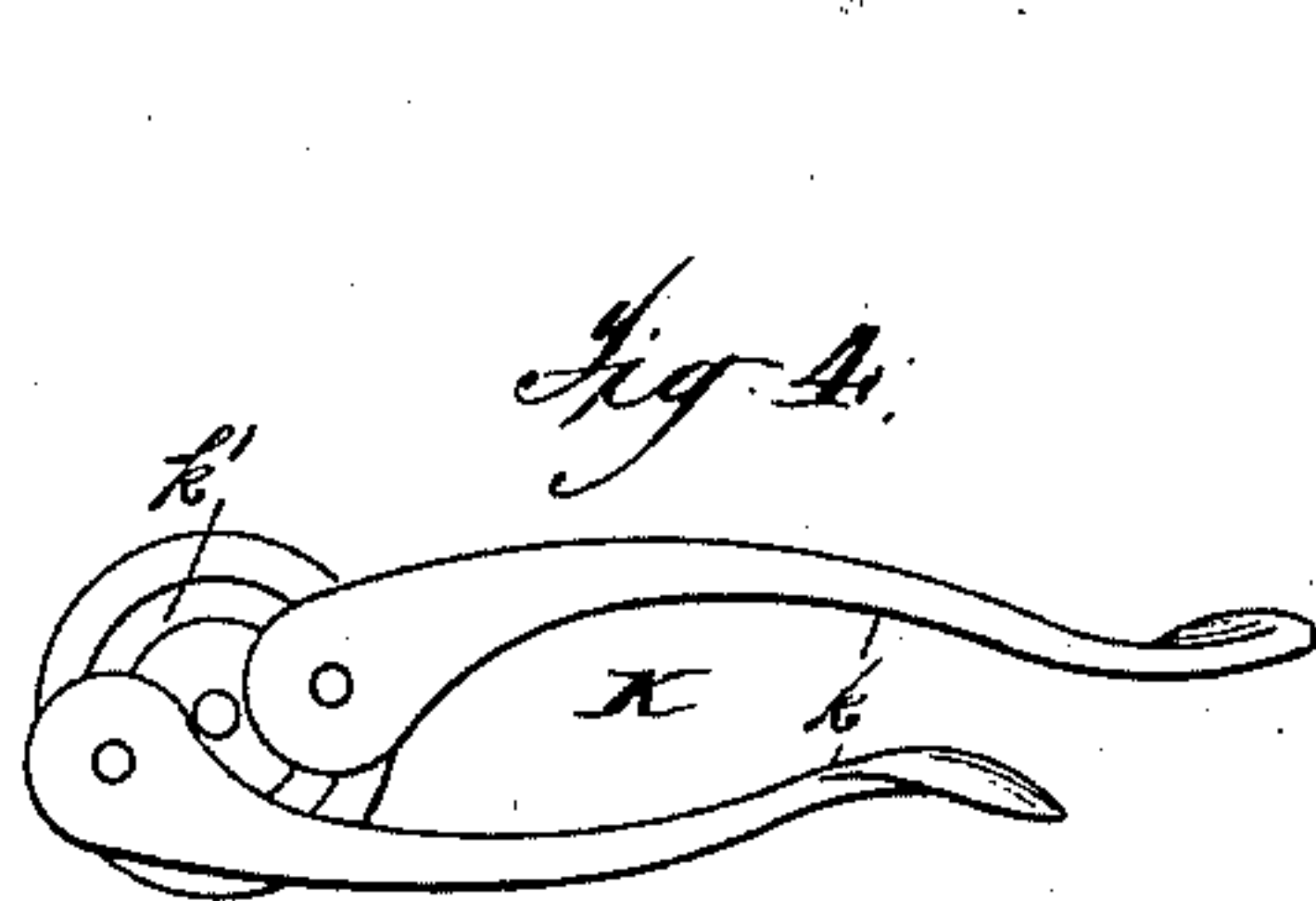
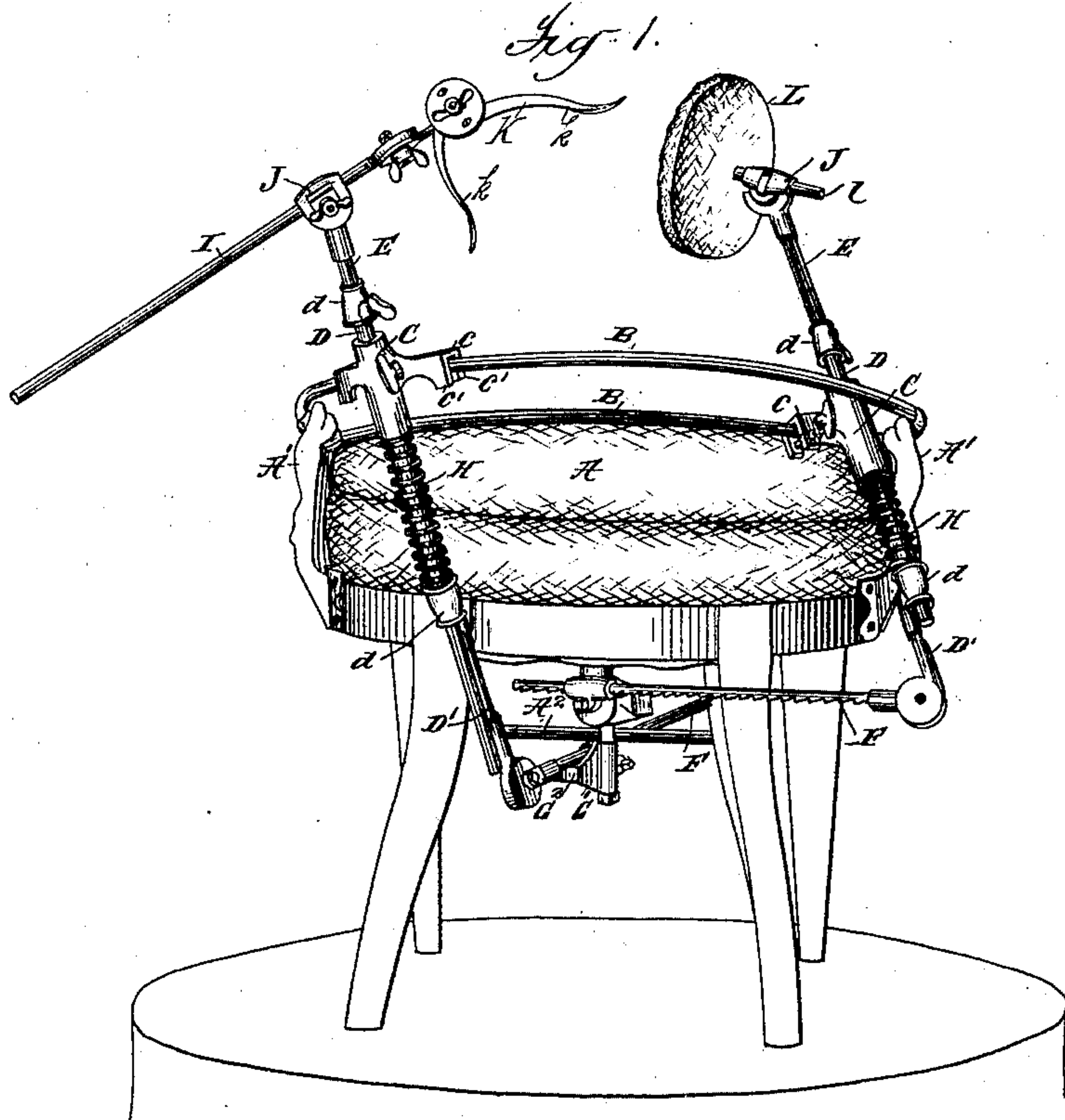
(No Model.)

2 Sheets—Sheet 1.

J. M. DOW.
PHOTOGRAPHIC POSING CHAIR.

No. 435,056.

Patented Aug. 26, 1890.



Attest:
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UNITED STATES PATENT OFFICE.

JAMES M. DOW, OF OGDENSBURG, NEW YORK.

PHOTOGRAPHIC POSING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 435,056, dated August 26, 1890.

Application filed May 29, 1889. Serial No. 312,533. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. DOW, a citizen of the United States, and a resident of Ogdensburg, St. Lawrence county, and State of New York, have invented new and useful Improvements in Photographic Posing-Chairs, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to posing-chairs more especially adapted for photographers, although equally adaptable to other purposes; and it consists, in part, of the combination, with a suitable seat, of a series of adjustable parts, rest-supports, and braces, adapted for varied and independent adjustments for head, back, &c.; also, in the construction and arrangement of said head and back rests, combined with other parts, whereby an independent vertical and lateral adjustment may be had; and, thirdly, in the construction and combination of the several parts whereby such chairs may be utilized with a greater degree of efficiency than when otherwise constructed, the object of which is to provide such chairs with such parts and adjustments that the subject to be operated upon may be posed more properly and to the desire of the photographer or other person posing or being posed than by any other known means, and at the same time insure the greatest amount of comfort to the party being posed; hence my invention.

Referring to the drawings, Figure 1 represents a perspective view of a posing-chair in accordance with my improved invention; and Figs. 2, 3, and 4 represent perspective views in detail of parts to be referred to hereinafter. Fig. 5 represents a sectional view of the compound pivotal and clamping disk located at the upper end of the head and back rests vertical supporting-rods. Fig. 6 represents a sectional view of one of the vertical supporting-rods E and its tubular supporting-rod D. Fig. 7 represents a vertical sectional view of the parts shown in Fig. 2.

In the drawings, A represents a chair to which my improved appliances are secured, and B B represent two rods which extend in a circle partially around and at a greater or less distance above the said chair A, and are secured at their opposite ends in suitable

brackets A' A', the latter being properly secured to the opposite sides of the seat or frame thereof, as clearly shown in said Fig. 1. Said rods B B serve as a means to propel or move the chair about and also as a track and fulcrum upon which couplings C C are supported and adapted to slide and operate and be secured in a stationary position thereon, when desired, by a set-screw. Said couplings C C are provided with right and left arms c c, which in the instance shown are provided with ears c' c', adapted to embrace the said rods B B and are secured thereon by bolts, as clearly shown in Fig. 1, although it is obvious that the said arms may be secured by straps or other suitable means, the object being to have said couplings secured on the rods B B in a manner to allow them to be moved laterally and also pivot or fulcrum thereon for the partial adjustment of the head and back rests, in a manner as will hereinafter be described.

D D are tubular rods which extend through and are carried and supported by said couplings C C, and the same at their opposite ends are provided with collars d d, for the purpose to be hereinafter described.

E E represent vertical supporting-rods for the back and head rests, which extend within said tubular rods D D and are adapted to slide or operate vertically therein and be held or supported in a stationary position by a set-screw located in the collar d on the upper end of said tubular rods D D. Said tubular rods at their lower end are provided with a fixed arm D', extending parallel, or nearly so, therefrom, which at their lower end have adjustable connection with horizontally-arranged rods F F. Said arms D' and horizontal rods F at their point of connection are each provided with a circular flange or plate, as clearly shown in the drawings, adapted to be clamped together to adjustably hold said rods or arms in a fixed position relatively to each other by a thumb-screw, although it is obvious that other suitable means might be employed to clamp said plates together. When desired, the angles of the two rods may be adjusted by loosening the thumb-screw or other clamping means, as will appear obvious. Said horizontally-arranged rods F F extend through and are adapted to slide in pivotal support

ing-sleeves, represented at G G. (More clearly shown in Fig. 2 of the drawings.) Said sleeves consist of a suitable plate provided with a lug or projection having a longitudinal opening therein through which the said rods pass, as clearly shown, and the same are pivotally secured to swiveled plates G' G', the latter being swiveled, in the instance shown, on a rod G³, supported at its center on the rung A² of the chair, one above the other, and are held in position by nuts, as more clearly shown in Fig. 2, which represents an enlarged view in detail of the swiveled plates and supporting-sleeves in reversed positions to more clearly show the construction of the same. It is obvious, however, that said swiveled plates may have a separate swivel-connection and to any suitable part of the seat or frame. The said swiveled plates G' G' are provided at one end thereof with a dog G², adapted to engage with serrations (represented at f') in the under side of said horizontal rods F F to prevent the latter from sliding forward in their supporting-sleeves and to adjustably support the said tubular rods D D in a manner to allow the same to be adjusted to a greater or less degree of incline to change the position of the back and head rests, as will hereinafter be more fully described, and the described adjustable method of connection between the said pivotal supporting-sleeves and swiveled supporting-plates allows the said horizontal rods to be raised from engagement with the engaging-dogs for adjustment of the back and head rests, as will be hereinafter described, and also for the lateral adjustment of said rods, as will appear obvious. The said tubular rods D D are each provided with a coiled spring H, located at a point between the coupling C and the collar d, located on the lower end of said tubular rods, and are adapted to exert a downward pressure on said tubular rods to hold the same in position and keep the horizontal rods F F, having connection therewith, in engagement with the dogs G² G².

J represents a compound sliding pivotal and clamping disk, located and having connection with the upper end of the vertical supporting-rods E E, adapted, in the present instance, for the adjustable support of the head and back rest supporting-arms, (represented at I and L, respectively,) and consists of a plate or disk provided with an enlargement thereon, having a longitudinal opening therein for the reception of a rod or bar, said enlargement being cut away or provided with an opening therein at a point between its ends, communicating with the said longitudinal opening therein, as clearly shown in Fig. 3, in which a clamping-plate j² which is shown as raised from or turned to one side of said opening in Fig. 3, is located, adapted to clamp the rod extending through said longitudinal opening to hold the same stationary by means of a thumb-screw, which also clamps the said pivotal disk to a fixed plate j³, (shown in dotted lines in Fig. 3,) located on the upper

end of said rods E E. By this means the rods or arms supported in said pivotal clamping-disks may have a longitudinal adjustment therein, and be adjusted either up or down to change the position of the back or head rests by simply adjusting a single thumb-screw, as will appear obvious.

The head-rest, represented at K, (more clearly shown in detail in Figs. 4 and 3) consists of two arms k k, pivotally secured at their inner ends to a plate k', as shown in Fig. 4, which is adapted to be clamped to a fixed plate or flange k², located on the end of a connecting-rod k³, with the ends of said arms between the two surfaces, by a thumb-screw, to clamp the inner ends of said arms and adjustably hold their outer ends in a fixed position and allow them to be adjusted in their relative position to each other. Said connecting-rod k³ at its opposite or inner end has a swivel-joint connection with the supporting-rod I at k⁴, said joint consisting of two plates located on the connecting ends of said rods, adapted to be clamped by a thumb-screw or other suitable clamping means to allow for a further adjustment of the head-rest other than that allowed by the compound pivotal clamping-disk J.

The adjustment of the back and head rests is accomplished as follows: The operator grasps the supporting-rods E E and moves the rests either to the right or left around the subject, as desired, and raises the same up to the proper height in relation to the subject, and secures the same by tightening the set-screws which hold said rods, as hereinbefore described. Any minor adjustment of the said back and head rests is accomplished through the medium of the said sliding pivotal clamping-disks, as hereinbefore described.

To adjust the incline of the supporting-rods for the back and head rests the operator raises said supporting-rods to raise the horizontal rods F F from engagement with the dogs G² G² and pushes the same backward or forward, as the case may be, and upon releasing the hold on said supporting-rods the springs H, located on rods D D, press said horizontal rods F F down in engagement with the dogs G² G².

Having thus set forth my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, with a suitable seat, of supporting-rods extending around said seat and secured thereto, vertical supporting-rods for the back and head rests loosely mounted on said supporting-rods to slide and fulcrum thereon, whereby said vertical supporting-rods may be adjusted laterally, and means for adjustably supporting the lower ends of said vertical supporting-rods to allow the same to be adjusted backward and forward, substantially as described, and for the purpose set forth.

2. The combination, with a suitable seat or

frame provided with horizontally-arranged supporting-rods extending around the same and supported thereby, of vertically-arranged supporting-rods adjustably supported in 5 couplings, said couplings being loosely mounted on said horizontally-arranged rods, and means for adjustably supporting the lower end of said vertical supporting-rods, whereby the back and head rests may have a vertical, 10 lateral, and backward and forward adjustment, substantially as described, and for the purpose set forth.

3. In a posing-chair, the combination, with a suitable seat or frame and two or more supporting-rods secured thereto, of tubular rods 15 mounted on said supporting-rods and having an adjustable connection at their lower end, with horizontally-arranged serrated rods which extend and are loosely supported at their free end beneath said seat or frame, 20 and a dog supported by said seat or frame, adapted to engage said serrated rods, substantially as described, and for the purpose set forth.

4. In a posing-chair, the combination, with a seat or frame provided with supporting-rods secured thereto, of tubular rods adapted 25 for the support of the back and head rests loosely mounted on said supporting-rods and connected at their lower end with horizontally-arranged rods, and sleeves pivotally 30 secured to swiveled frames supported by the said seat or frame and adapted to loosely support the free end of said horizontally-arranged rods, substantially as described, and 35 for the purpose set forth.

5. The combination, with a suitable seat or frame, of supporting-rods extending partially 40 around the same and secured thereto, vertically-arranged supporting-rods loosely mounted thereon, and horizontally-arranged serrated rods, to one end of which said vertical rods are attached, a dog adapted to engage with said serrated rods, and springs 45 located on said vertically-arranged supporting-rods adapted to keep the said horizontal rods connected thereto in engagement with the said dog, substantially as described, and for the purpose set forth.

6. In a posing-chair, the combination, with a seat or frame provided with supporting-rods extending partially around the same 50

and secured thereto, of vertically-arranged rods supported by said supporting-rods in 55 couplings to have a vertical and lateral adjustment thereon, and horizontally-arranged toothed or serrated rods to which the lower end of said vertically-arranged rods are attached, and a sleeve and dog having a swivel- 60 connection with said chair or frame, adapted to adjustably support and engage with the said horizontally-arranged rods, substantially as and for the purpose set forth.

7. In a posing-chair, the combination, with a seat or frame, of vertically-arranged supporting-rods pivotally supported by said seat 65 or frame at a point between their ends, and horizontally-arranged rods connecting with and supporting the lower end of said vertically-arranged rods, and sleeves pivotally 70 secured to the chair or frame or a part thereof for the support of the free end of said horizontally-arranged rods, substantially as described, and for the purpose set forth.

8. The combination, in a posing-chair, with 75 the seat or frame, of pivotally-supported vertically-arranged rods, horizontally-arranged toothed or serrated rods connecting with the lower end of said vertically-arranged rods, a dog for engaging said toothed or serrated 80 rods, and a spring adapted to exert an elastic pressure upon said toothed rods to keep the same in engagement with the said dog, substantially as described, and for the purpose 85 set forth.

9. In combination with a stationary plate or disk, a compound sliding pivotal and clamping disk J, consisting of a secondary plate or disk pivotally secured to the former 90 or stationary plate, and provided with an enlargement having a longitudinal opening therein for the adjustable reception of a rod, and a transverse opening communicating with said longitudinal opening, a clamping- 95 plate j^2 , adapted to be seated in said transverse opening, and a set-screw for adjustably supporting and operating said secondary disk and said clamping-plate j^2 , substantially as described, and for the purpose set forth.

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Witnesses:

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