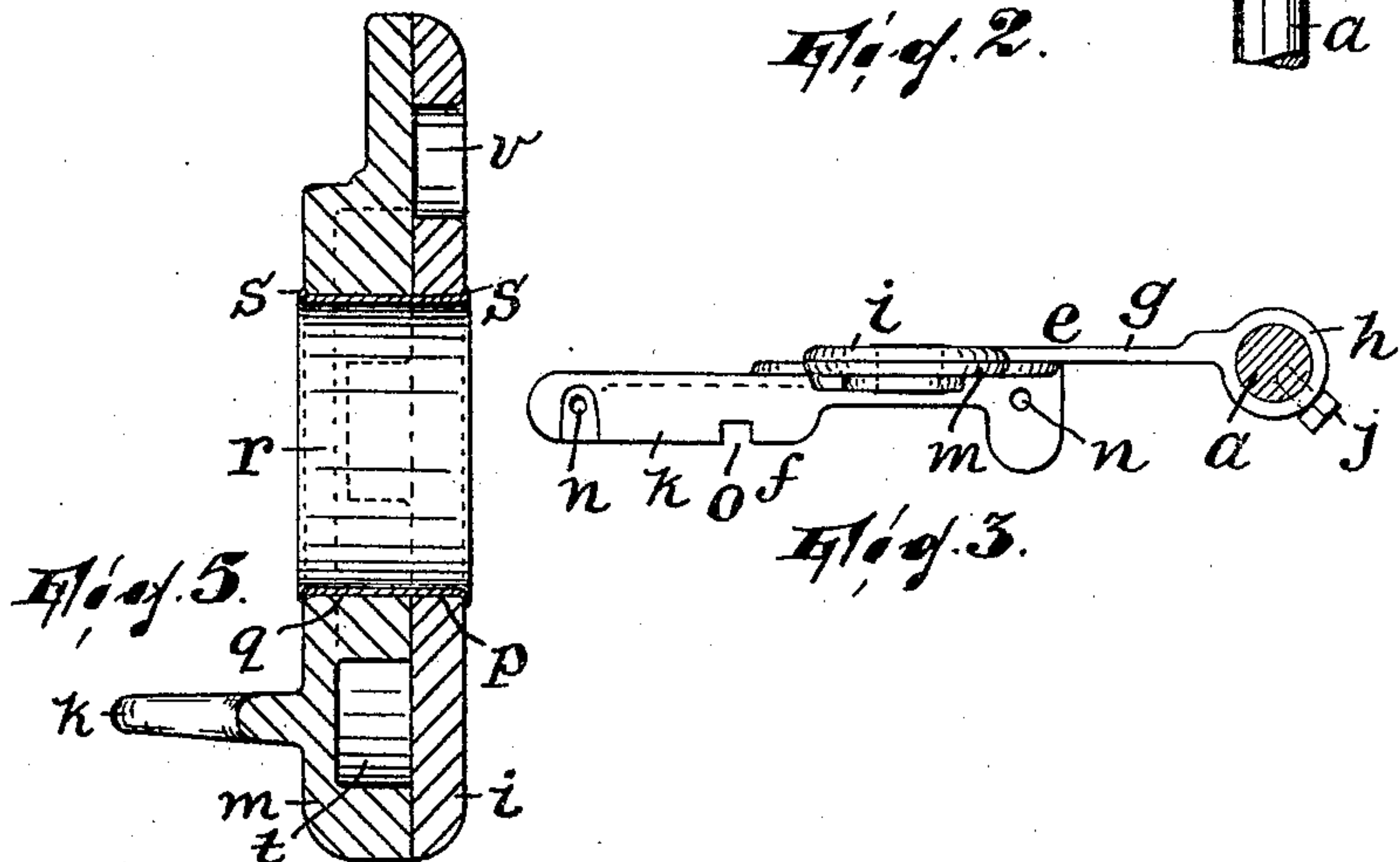
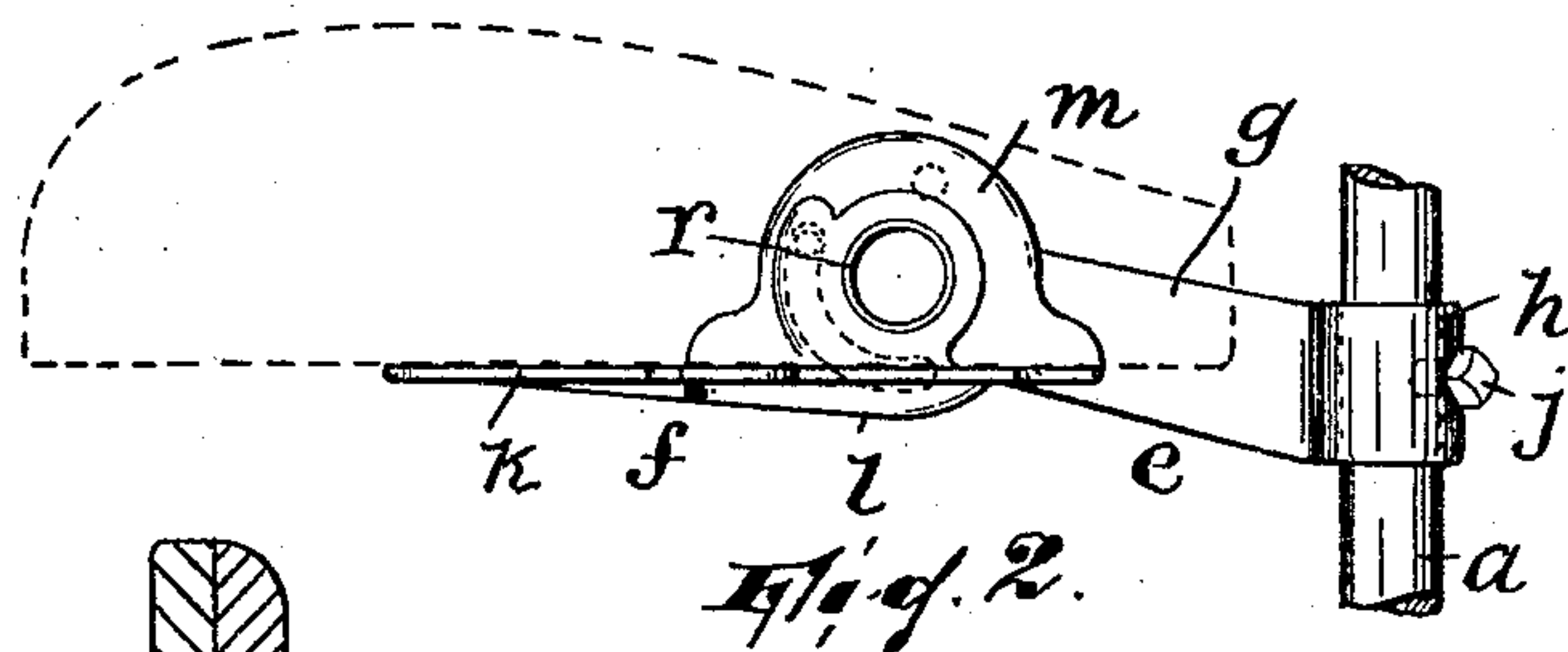
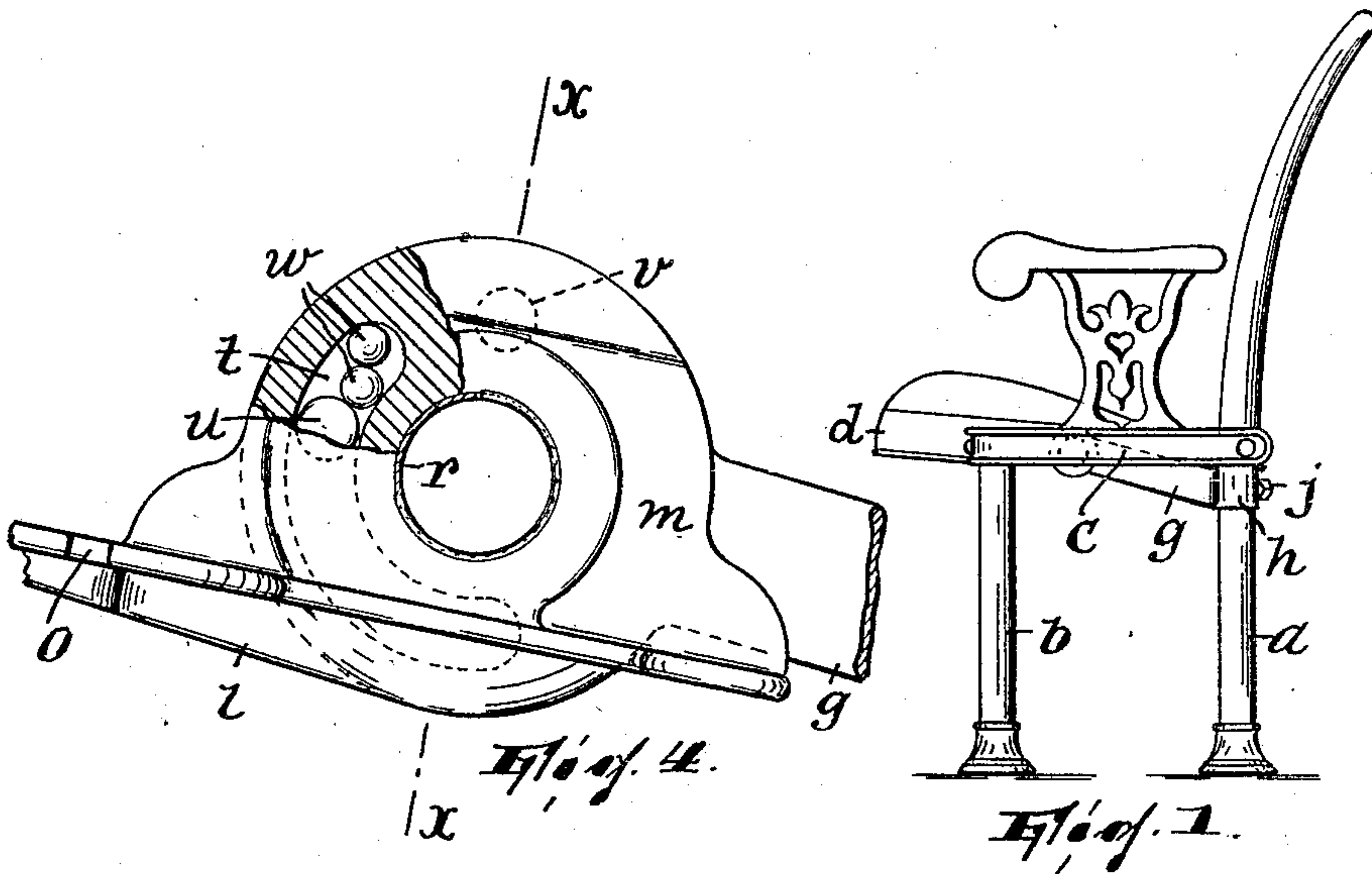


No. 819,477.

PATENTED MAY 1, 1906.

A. WANNER, JR.  
HINGE BRACKET FOR CHAIR SEATS.

APPLICATION FILED OCT. 5, 1905.



WITNESSES:

Wm. Bell.  
Adele Glatt.

INVENTOR,

Albert Wanner, Jr.,

BY

Arthur Seaward,  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

ALBERT WANNER, JR., OF NEW YORK, N. Y.

## HINGE-BRACKET FOR CHAIR-SEATS.

No. 819,477.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed October 5, 1905. Serial No. 281,409.

*To all whom it may concern:*

Be it known that I, ALBERT WANNER, Jr., a citizen of the United States, residing in New York, county of New York, and State of New York, have invented certain new and useful Improvements in Hinge-Brackets for Chair-Seats; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention is an improvement in chairs having folding pivoted seats; and it relates particularly to the seat-supporting hinge-brackets for such chairs.

My invention has for its principal objects to provide a bracket of this sort which will be strong, simple, and durable in construction, will be operative easily and without lost motion and noise, and will be capable of adjustment, so that the moving or seat-carrying member of the bracket may assume different inclinations.

In view of the foregoing my invention consists in the improved chair, as well as also in the improved seat-supporting hinge-bracket, constructed substantially as herein described, and finally embodied in the clauses of the claim.

My invention appears fully illustrated in the accompanying drawings, wherein—

Figure 1 is a side view of an opera-chair of the type illustrated in my copending application for United States Letters Patent filed June 23, 1905, Serial No. 266,547. Fig. 2 shows said hinge-bracket attached to the back-support of the chair. Fig. 3 is a plan view of what is seen in Fig. 2. Fig. 4 is a full-sized view of the articulating portion of the hinge-bracket, certain parts appearing in section; and Fig. 5 is a sectional view on the line *xx* in Fig. 4.

In the drawings, *a* is the back-support, *b* a front standard, and *c* a strut carried by the standard *b* and connecting the same with the back-support *a* in such manner as to substantially brace the latter under the weight of the occupant of the chair.

*d* is the seat.

The hinge-bracket comprises two members *e* and *f*. The member *e* is cast with its body portion *g* flat, one end, *h*, in the form of a tube or sleeve and the other end in the form of a

face-plate *i*. The sleeve is slipped onto the back-support *a*, which it substantially fits, and by means of a set-screw *j*, carried by the sleeve and bearing against the back-support, the hinge-bracket may be secured at any desired elevation. The portion *g* of member *e* inclines slightly upwardly from the sleeve *h*, so that thereby great rigidity is imparted to the bracket, and the strain placed upon the whole structure of the chair is applied in the most practical manner.

The member *f* of the hinge-bracket comprises a horizontal portion *k*, having a strengthening-web *l* on its under side and at or near one end on its upper side a face-plate *m*. The portion *k* is provided with suitable openings *n* and a recess *o* for admitting screws and the like for attaching the seat *d* to member *f*. The face-plates *i* and *m* are formed with openings *p* and *q*, registering with each other and preferably of relatively large diameter. Into these openings snugly fits a thimble *r*, primarily longer than the combined thicknesses of the face-plates and having its ends or edges expanded or upset to lie closely against the corresponding faces of the face-plates, as at *s*, so that thus endwise movement of the thimble, which forms the pivot between the face-plates, is prohibited, while a snug, but easy and smooth, articulating movement of the two members of the hinge-bracket is permitted. The hollow form of pivot afforded by thimble *r* imparts to it manifest ability to withstand sudden strain, while being both light, inexpensive, and easy to apply in place.

In order that the seat may be supported in its operative position at any desired angle, I form in one of the face-plates *i* *m* a concentric slot, *t*, opening toward the other face-plate, and on said other face-plate I provide an integral pin *u*, projecting into said slot. An opening *v*, penetrating one of the face-plates and concentrically aligned with the slot *t*, is also provided, and through this one or more spacers, such as the balls *w*, are inserted into the slot *t*, so that they will assume the thrust of the pin *u* when the seat is in the operative position, according to the size or number of the spacers, so the seat can be made to have any incline in the operative position.

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

1. In a seat-supporting hinge-bracket for chairs having pivoted seats, the combination

of a fixed member, a movable or seat-carrying member pivotally connected to said fixed member, and a slot-and-pin arrangement for limiting the pivotal movement of the movable member in the fixed member, one of said members having an opening leading to the slot for the admission of spacers interposable between one end of the slot and the pin and whereby to vary the pivotal movement of the movable member, substantially as described.

2. In a seat-supporting hinge-bracket for chairs having pivoted seats, the combination of a fixed member, a movable seat-carrying member pivotally connected to said fixed

member, a slot-and-pin arrangement for limiting the pivotal movement of the movable member in the fixed member, and a spacer or spacers loosely arranged between one end of the slot and the pin, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of September, 1905.

ALBERT WANNER, JR.

Witnesses:

ALFRED GARTNER,  
JOHN W. STEWARD.