

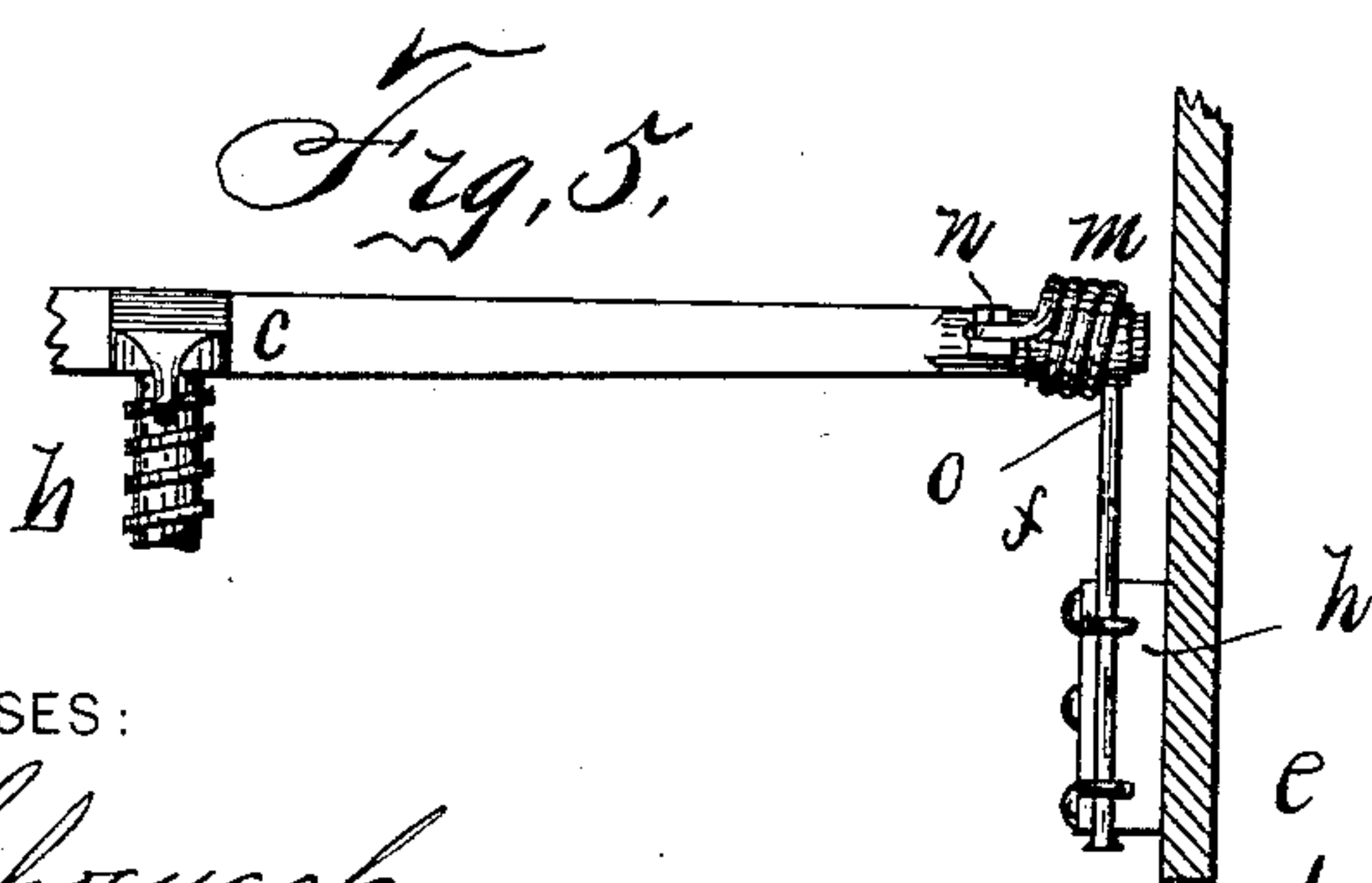
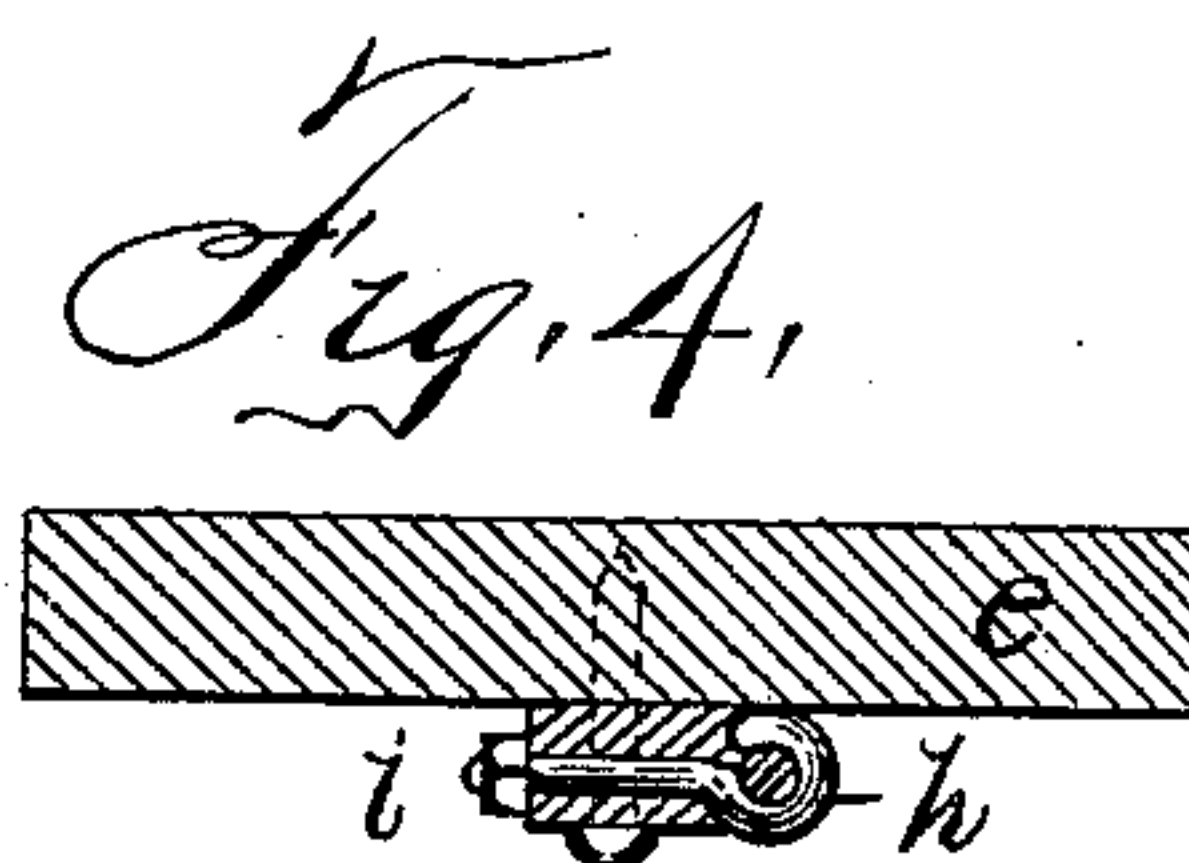
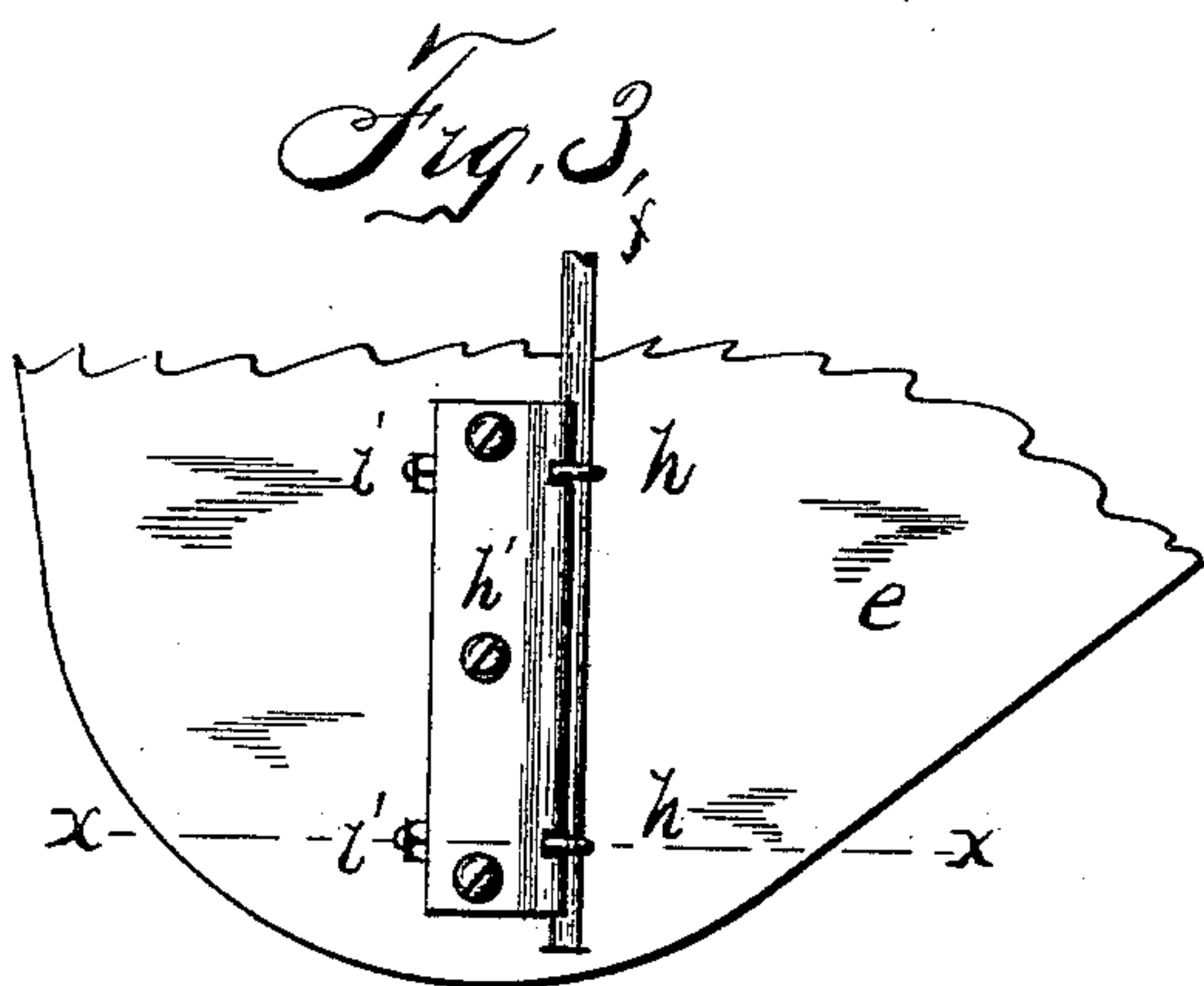
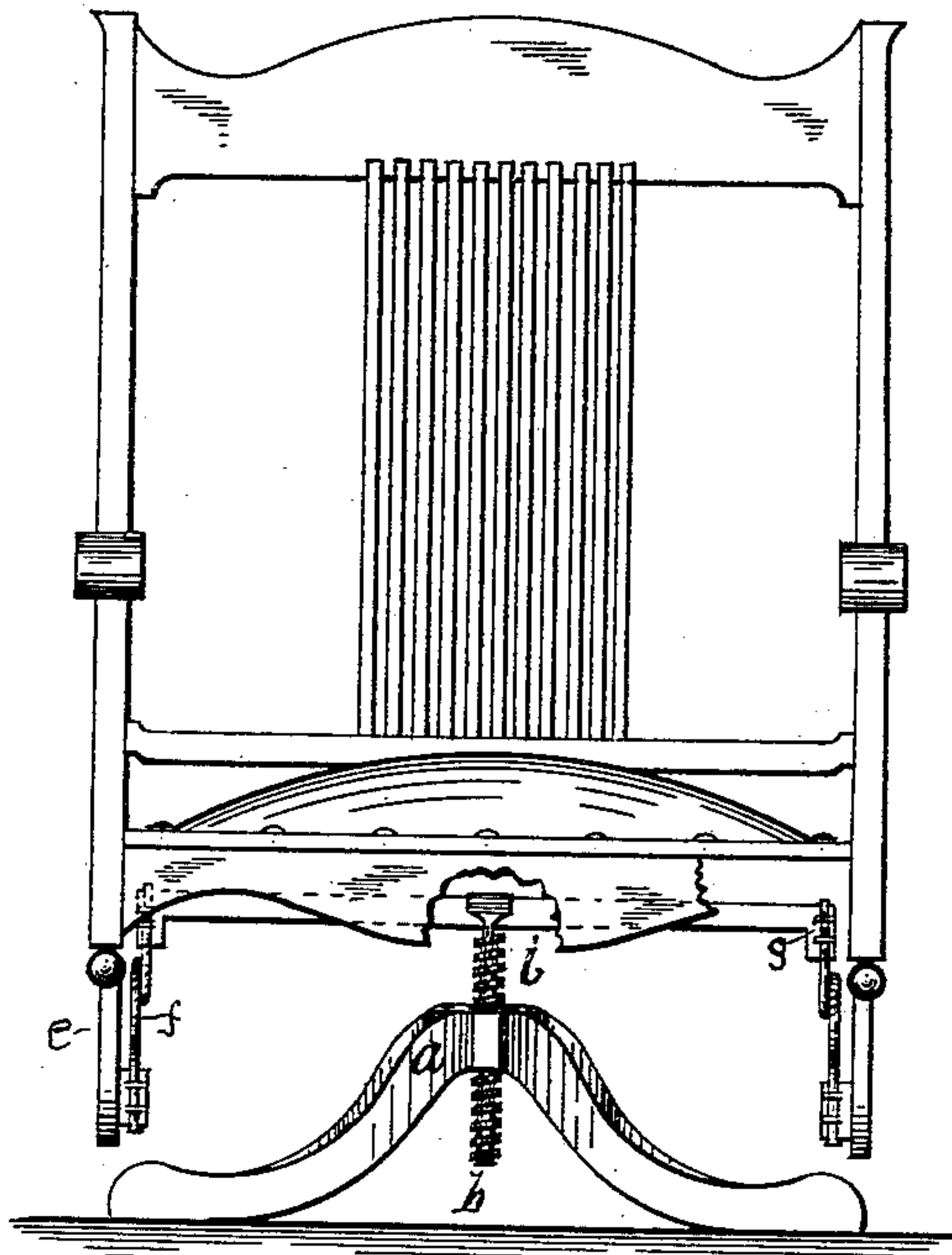
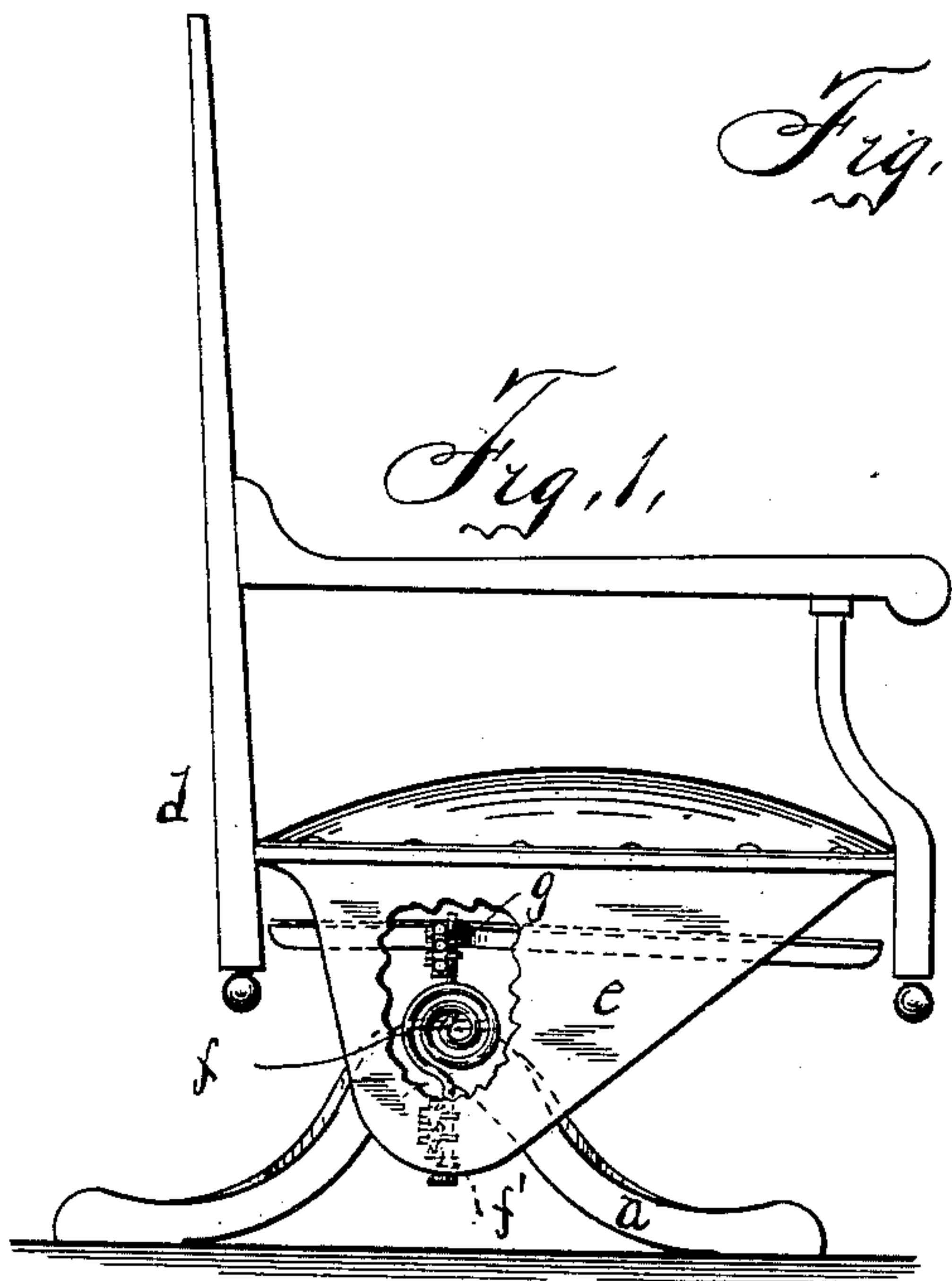
No. 618,309.

Patented Jan. 24, 1899.

T. W. WIGG.
CHAIR.

(Application filed Feb. 17, 1898.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS WALTER WIGG, OF ROCHESTER, NEW YORK.

CHAIR.

SPECIFICATION forming part of Letters Patent No. 618,309, dated January 24, 1899.

Application filed February 17, 1898. Serial No. 670,638. (No model.)

To all whom it may concern:

Be it known that I, THOMAS WALTER WIGG, of Rochester, in the county of Monroe, in the State of New York, have invented new and useful Improvements in Chairs, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to improvements in chairs, having more particular reference to revolving tilting office-chairs.

My object is to improve their detail construction; and to that end my invention consists in the several new and novel features of construction and operation hereinafter described and which are specifically set forth in the claim hereunto annexed. It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1 shows a side view of the chair complete, a portion of the side piece being removed to show the spring and its mountings. Fig. 2 is a front view thereof. Fig. 3 is an inner view of the lower edge of the side piece, showing how the spring is mounted. Fig. 4 is a cross-section on line *x x*, Fig. 3. Fig. 5 is a view of one of the cross-arms, showing a modified form of securing the spring thereto. Fig. 6 is an end view thereof.

Reference is had to said drawings, and the letters thereon, which form a part of this specification.

Similar letters of reference indicate corresponding parts.

a is the base, constructed in any well-known manner, either solid or provided with extending legs, as shown, being threaded centrally and adapted to receive the screw *b*. Upon the top of this screw is mounted a platform or bracket *c*, having four arms extending substantially at right angles to each other, and *d* is the chair, constructed in any ordinary manner, having downwardly-extending side pieces *e*, as shown in Fig. 1.

f is a coiled spring, said coils being vertical and having one end secured to the side pieces *e* and the upper end *g* secured to the frame or

bracket *c*, so as to allow the chair to be tilted rearwardly.

The ends of the springs *f* are secured by means of hooks *h* to the bracket *h'*, which in turn is secured to the bracket *c* and the side piece *e*, one end of the hooks being threaded and provided with a nut *i* for the purpose of drawing the hook tight about the ends of the springs *f* and *g*.

In Fig. 5 I show a modified form of securing the upper end of the spring to one of the cross-arms *c*. It consists in forming a coil *m* to the upper end of the spring and passing it over the end of the arm and securing the end, as shown at *n*.

To provide for the take-up with the wear and the play of the spring, I secure a rubber nipple or similar material *o* over the ends of the arms of the bracket *c*, which forms part of the bracket, before the spring has been mounted thereon.

It will thus be observed that as the seat or body of the chair is tilted rearwardly the spring is compressed from the bottom, thereby giving it a more graceful and easy movement.

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

A chair comprising a base threaded centrally and having a screw mounted thereon, a bracket secured to its upper end having lateral extending arms, said lateral extending arms being provided with a coating of rubber or nipple, a seat having side pieces extending below the top of the base, and a coiled spring secured to the said side piece, and its upper end formed into a coil inserted over said nipple and arm and secured thereto, as described for the purposes set forth.

In witness whereof I have hereunto set my hand this 5th day of February, 1898.

THOMAS WALTER WIGG.

In presence of—

P. A. COSTICH,
C. H. PLUMB.