

No. 744,613.

PATENTED NOV. 17, 1903.

W. F. REIMOLD.
OPHTHALMOMETER OR OTHER TABLE.

APPLICATION FILED APR. 2, 1903.

NO MODEL.

Fig. 1.

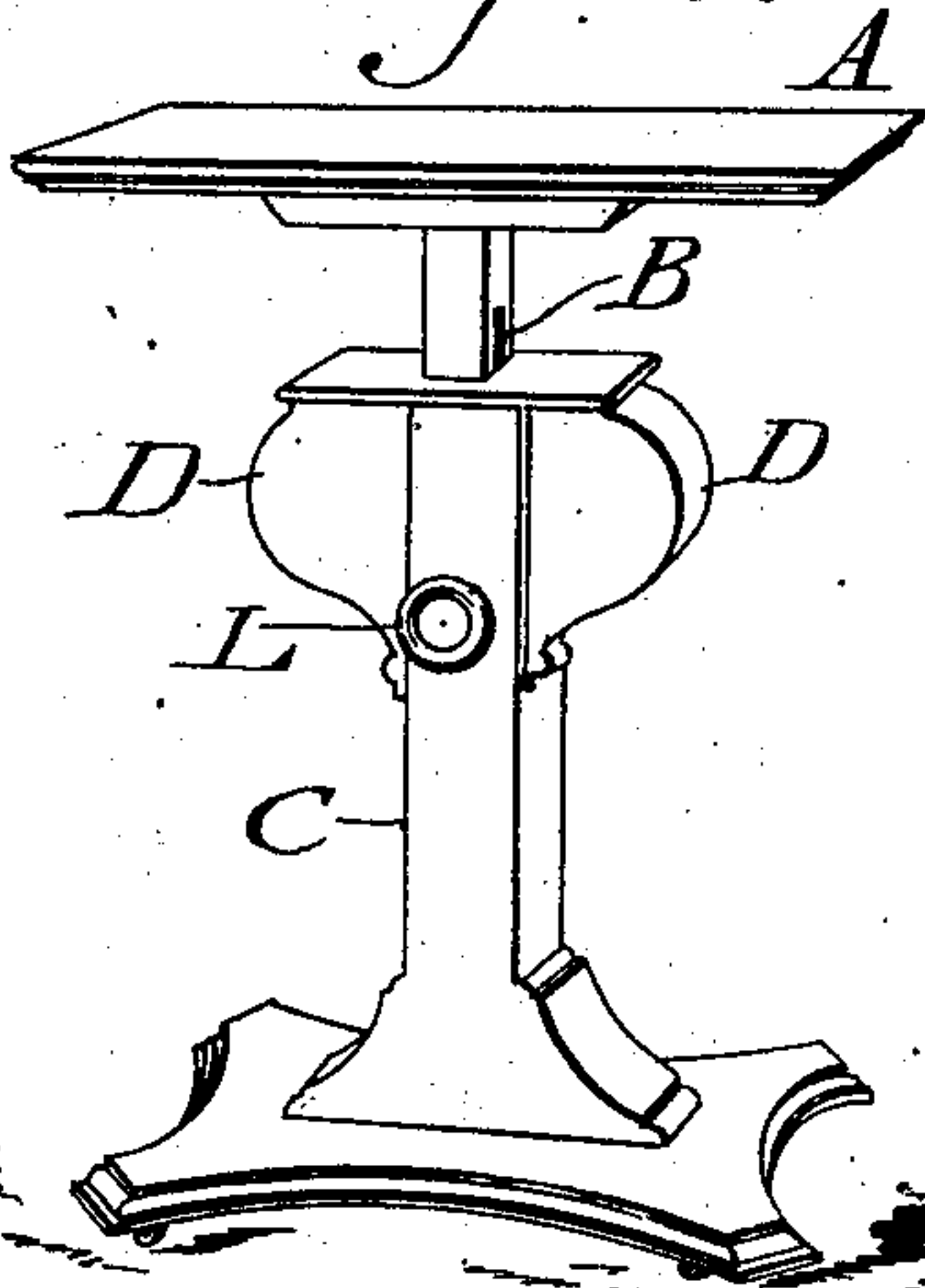


Fig. 2.

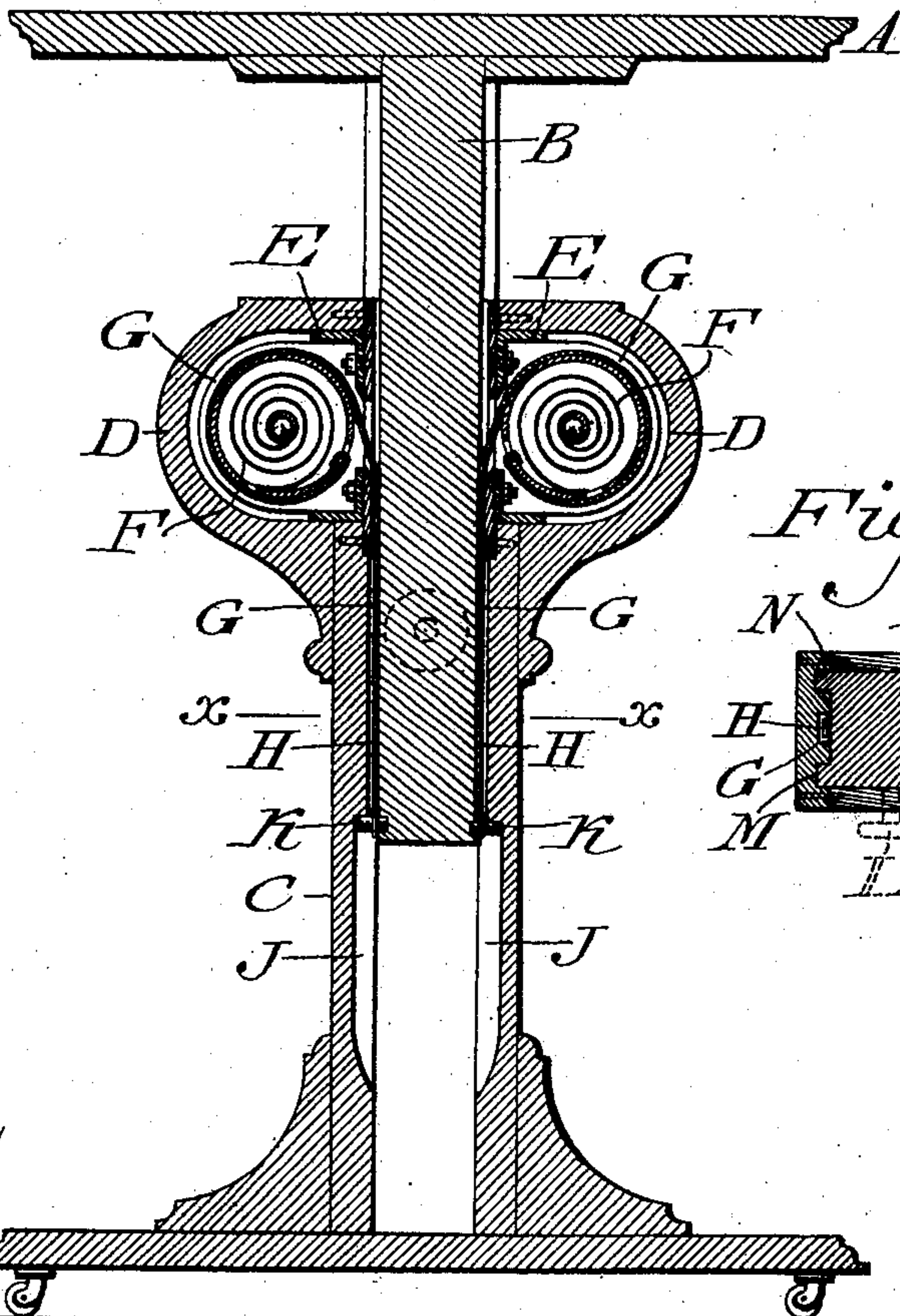


Fig. 3.

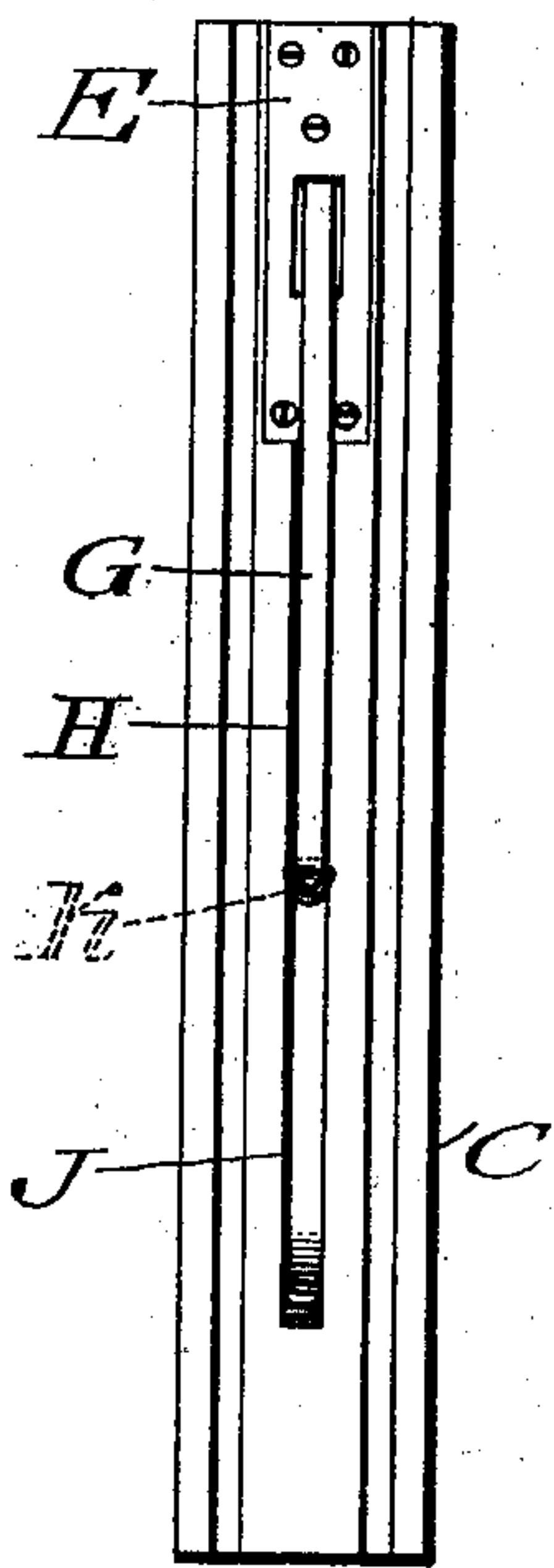
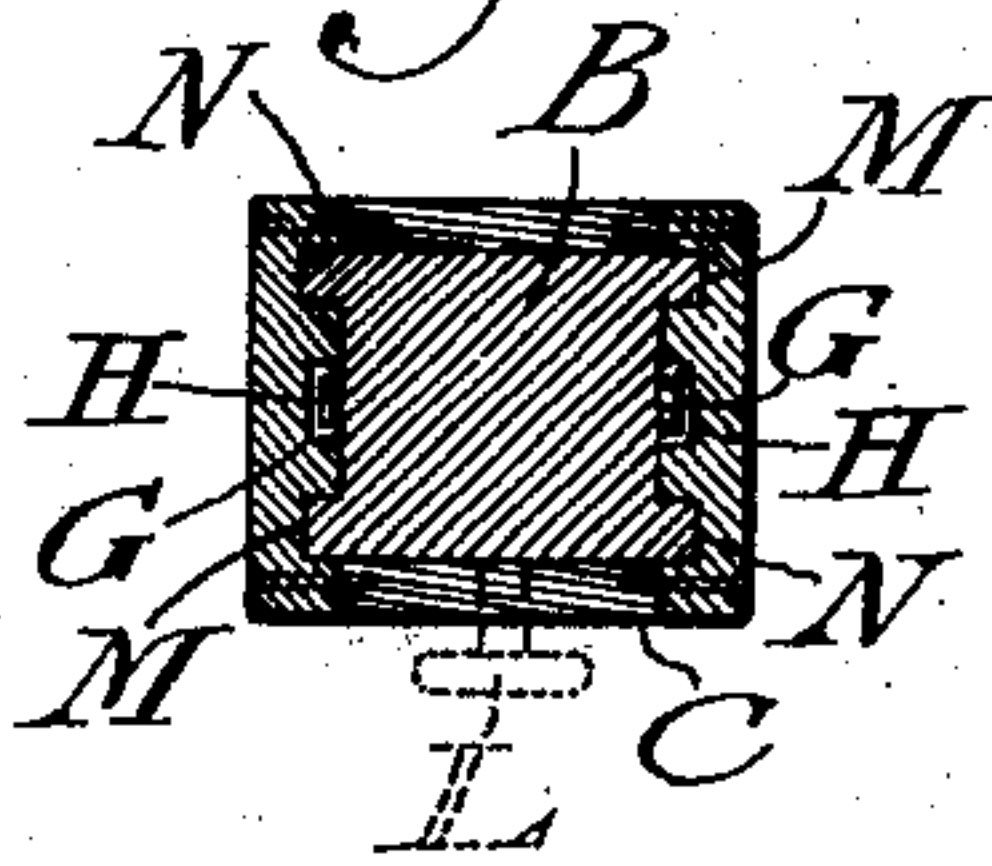


Fig. 4.



Inventor

Witnesses

O. F. Nagle.
L. Douville.

By

William F. Reimold.
Gledersheim & Fairbank, Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM F. REIMOLD, OF PHILADELPHIA, PENNSYLVANIA.

OPHTHALMOMETER OR OTHER TABLES.

SPECIFICATION forming part of Letters Patent No. 744,613, dated November 17, 1903.

Application filed April 2, 1903. Serial No. 150,672. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. REIMOLD, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented new and useful Improvements in Ophthalmometer or other Tables, of which the following is a specification.

My invention consists of an ophthalmometer or other table which is provided with a vertically-adjustable top and means for balancing the same, so that the motions thereof may be made with convenience and ease and the top may be afterward controlled in its adjusted position.

It also consists of details of construction, as will be hereinafter set forth and the novel features thereof pointed out in the claims.

Figure 1 represents a perspective view of a table embodying my invention. Fig. 2 represents a vertical section thereof on an enlarged scale. Fig. 3 represents a view of one of the inner sides of the standard removed from Fig. 2. Fig. 4 represents a horizontal section on line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates the top of a table, and B designates a follower which depends centrally therefrom and carries the same.

C designates the standard of the table, the same being tubular and freely receiving said follower B. In the upper portion of said standard are the chambers D, which receive the boxes E of the spring-rollers F, said boxes being secured to the standard and said rollers having connected with them the straps G, which extend downwardly therefrom and are also connected with the lower end of the follower B, it being noticed that the inner sides of the standard C are formed with vertically-arranged grooves H to receive and guide said straps G.

J designates vertically-extending grooves which are formed in the inner sides of the standard C and continue downward from the grooves H and being deeper seated than the latter to receive and guide the pins, screws, or pegs K which are employed to connect the straps G with said follower. The inner sides of the boxes or castings E have openings

therein, the same being in communication and registering with said grooves H of the standard, it being noticed that said boxes, the spring F therein, the straps G, the grooves H J, and the pins K are entirely concealed by said chambers and the closed walls of the standard, respectively.

Passing through the side of the standard is the screw L, which is adapted to tighten against the follower B, and thus hold the top A in the position in which it may be vertically adjusted. It will now be seen that when said screw L is loosened the top A may be lowered to the required extent, the follower B, as is evident, also lowering and carrying with it the straps G, which unwind from the rollers F, the springs thus serving to balance the top, said straps passing through openings in the inner sides of the standard and chambers and traveling in the grooves H. Both sets of said openings register and are in communication and are concealed from without at all points by the chambers D and the follower B, as are also other parts, as above stated, (see Fig. 2,) whereby the hands of the operator are not liable to come in contact with and be pinched by the straps H or the spring-rollers at any point. The screw L is then tightened, where- by the follower B is controlled, and the top A retains the position in which it is set. It is evident that when said screw is loosened the top may be raised, the straps rising with the follower and having their slack taken up and wound upon the rollers F.

It will be seen from the above that the vertical adjustment of the top may be accomplished in an easy and convenient manner.

The pins K are adapted to abut against the upper walls of the grooves J, and thus limit the ascent of the follower and prevent improper removal of the same from the standard.

The sides of the follower are formed with tongues M, which latter enter grooves N on the inner sides of the standard C, by which provision said follower moves true and steady within said standard.

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

1. In a table, a tubular standard, a table-top, a vertically-adjustable follower depend-

ing from said top and freely entering said standard, a chamber on the upper end of said standard, a box in said chamber, a spring-roller mounted within said box and a strap
5 connected with said roller and said follower, said box and standard having registering openings on their inner sides for the passage of said strap and said box, roller, strap and openings being concealed by said chamber
10 and follower.

2. In a table, a tubular standard, a vertically-movable table-top, a follower carrying said top and movable in said standard, a strap connected at one end with said follower,
15 a spring-roller with which the other end of said strap is connected, a box secured to said standard and having said roller mounted thereon, a chamber secured to said standard and inclosing said box, said chamber and
20 box having on their inner sides registering openings which are covered by said follower, a shoulder on the interior of said standard and a projection on said follower, said projection being adapted to abut said shoulder
25 in the elevated position of the table-top.

3. In a table, a vertically-adjustable top, a follower depending therefrom, a standard receiving said follower, a spring-roller mounted

on said standard, a strap connected with said roller and said follower, the inner side of
30 said standard having a vertical groove therein for the passage of the adjacent portion of said strap therethrough, and an additional groove continuing downward from the first-named groove, said standard having a pin
35 adapted to connect said strap with said follower and projecting from the latter into said additional groove and playing therein.

4. A table consisting of a vertically-adjustable top, a follower depending therefrom and
40 carrying the same, a tubular standard freely receiving said follower, a spring-roller mounted on said standard, a strap connected with said roller and follower, and a pin projecting from said follower and forming the means of
45 connection of said strap with said follower, the inner side of said standard having a two-part groove therein, one part having said strap movable therein and the other part having said pin therein, the upper end of the
50 last-named part forming a stop for said pin.

WILLIAM F. REIMOLD.

Witnesses:

JOHN A. WIEDERSHEIM,
C. D. McVAY.