

No. 657,488.

Patented Sept. 4, 1900.

E. J. GULICK.
ADJUSTABLE ROLLER.
(Application filed Apr. 27, 1900.)

(No Model.)

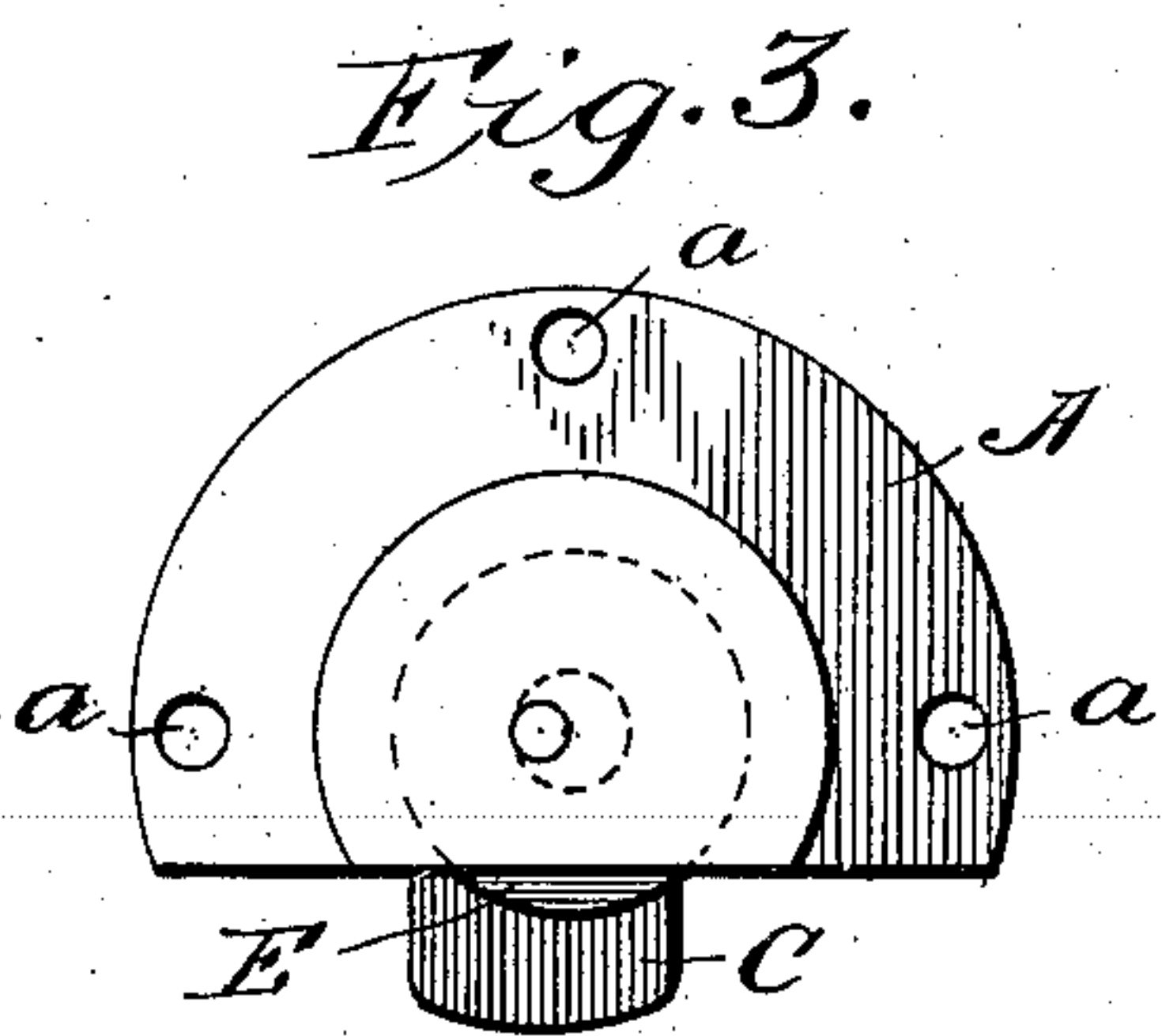
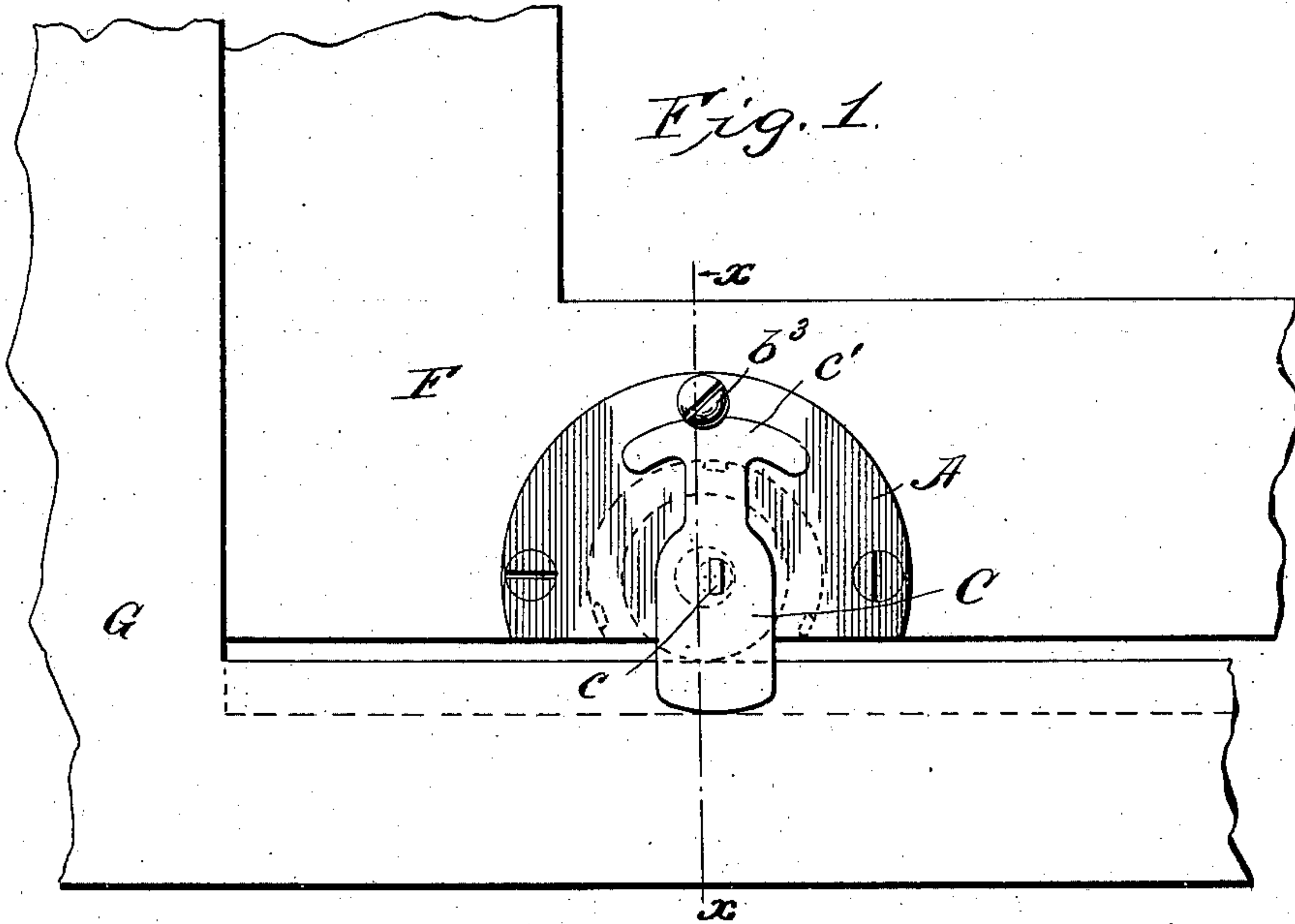


Fig. 2.

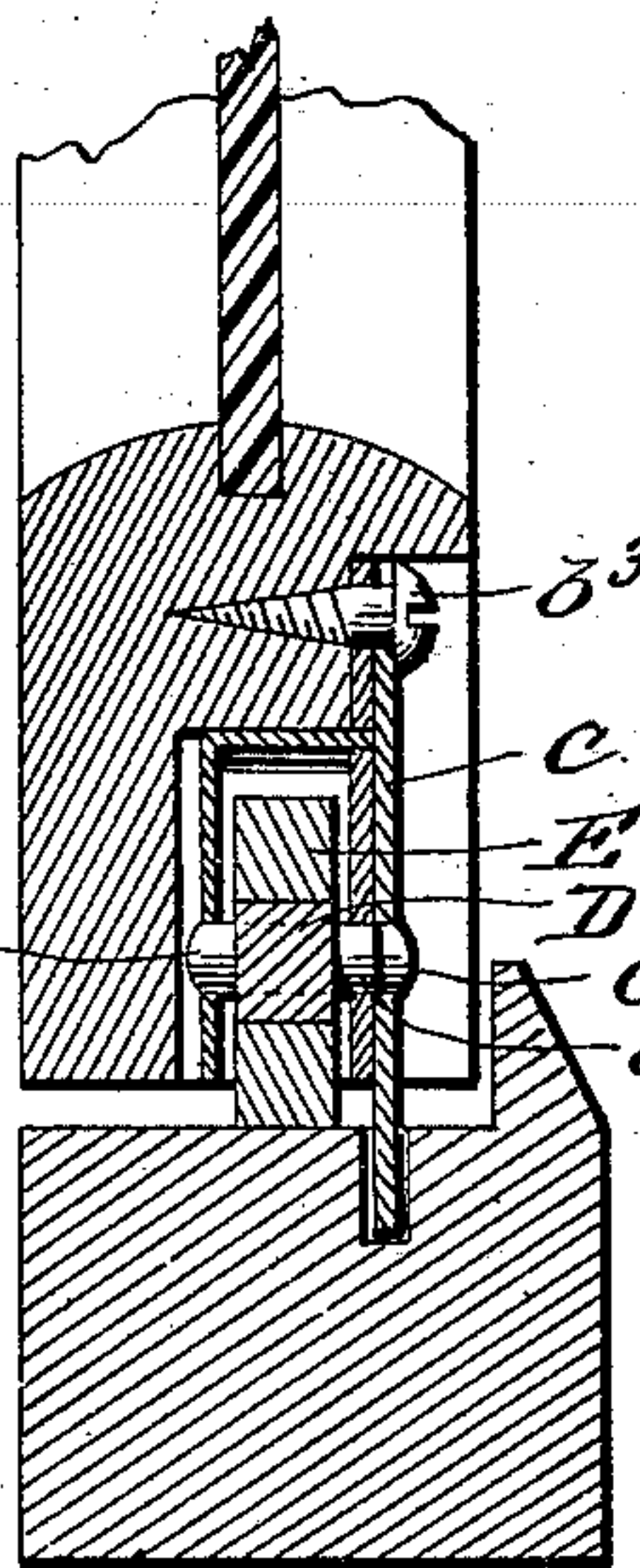


Fig. 4.

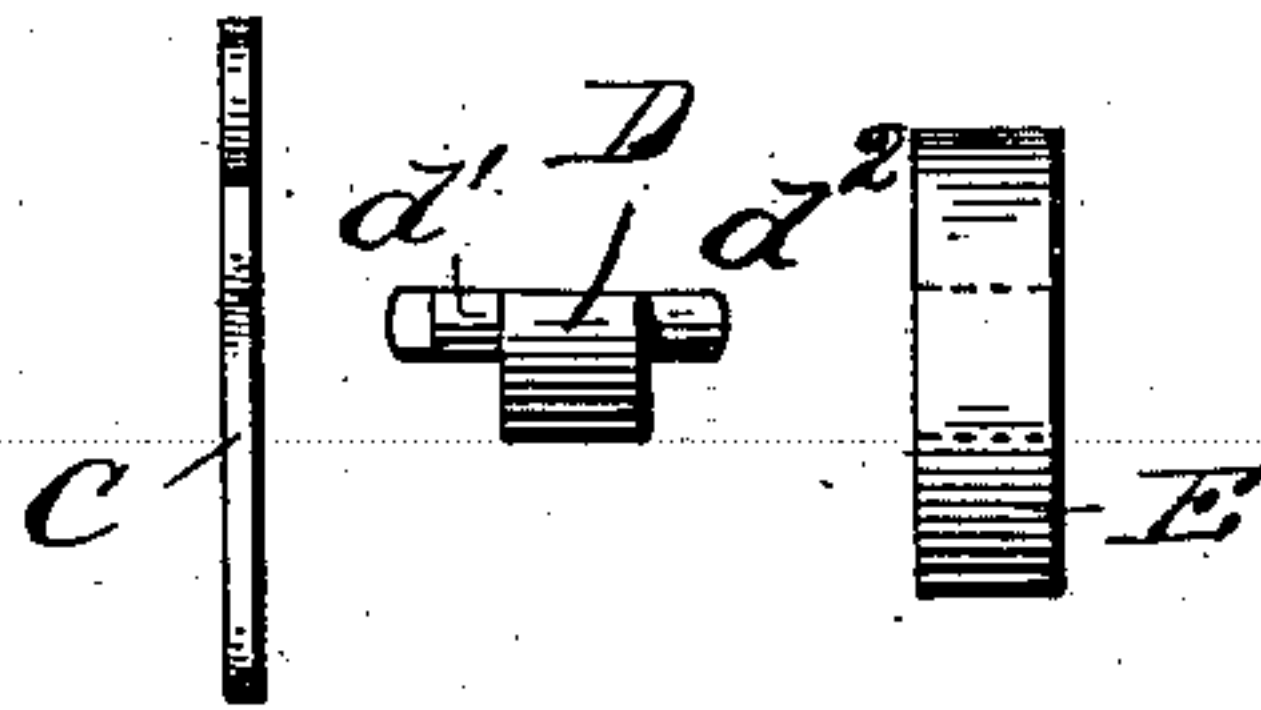


Fig. 5.

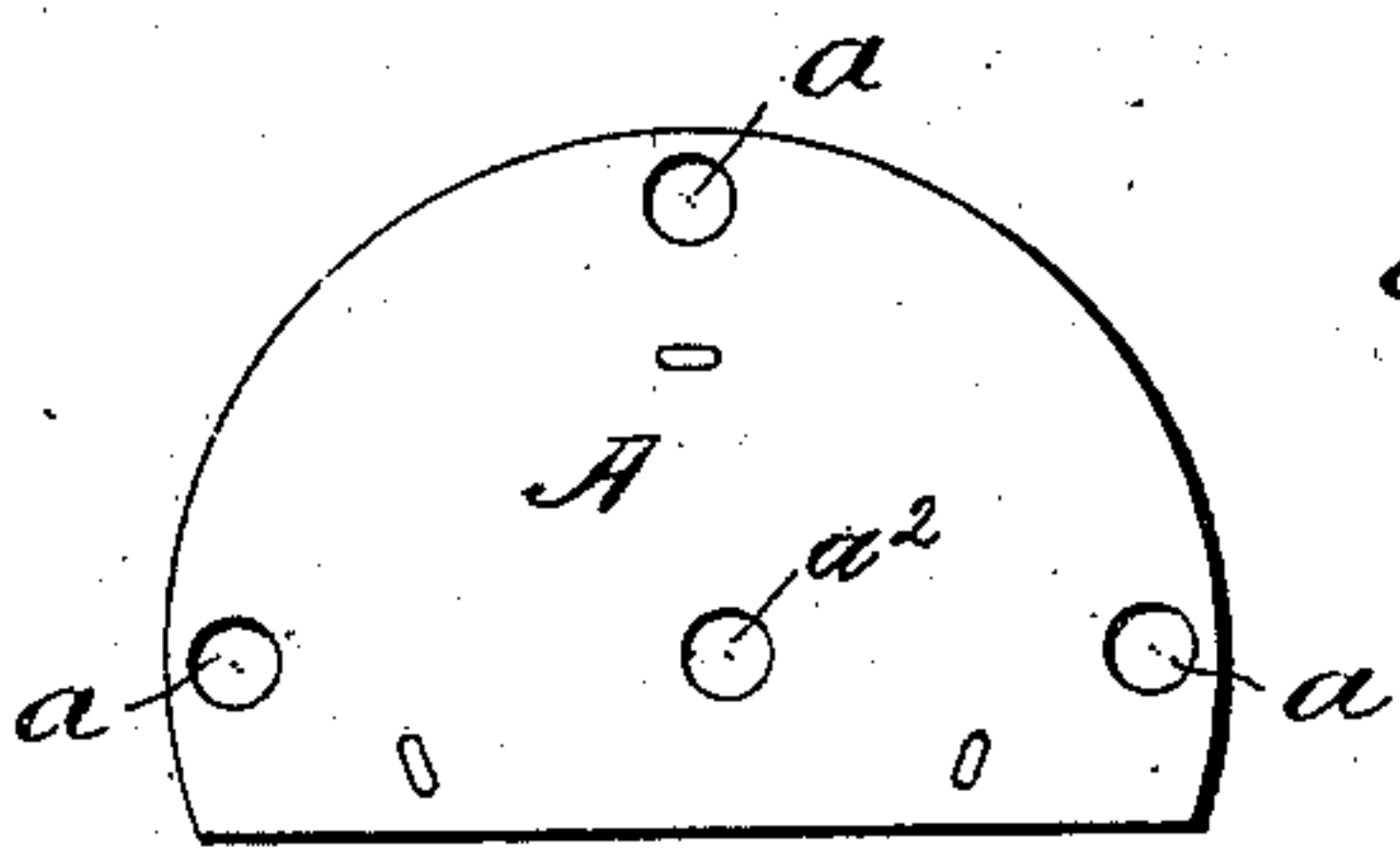
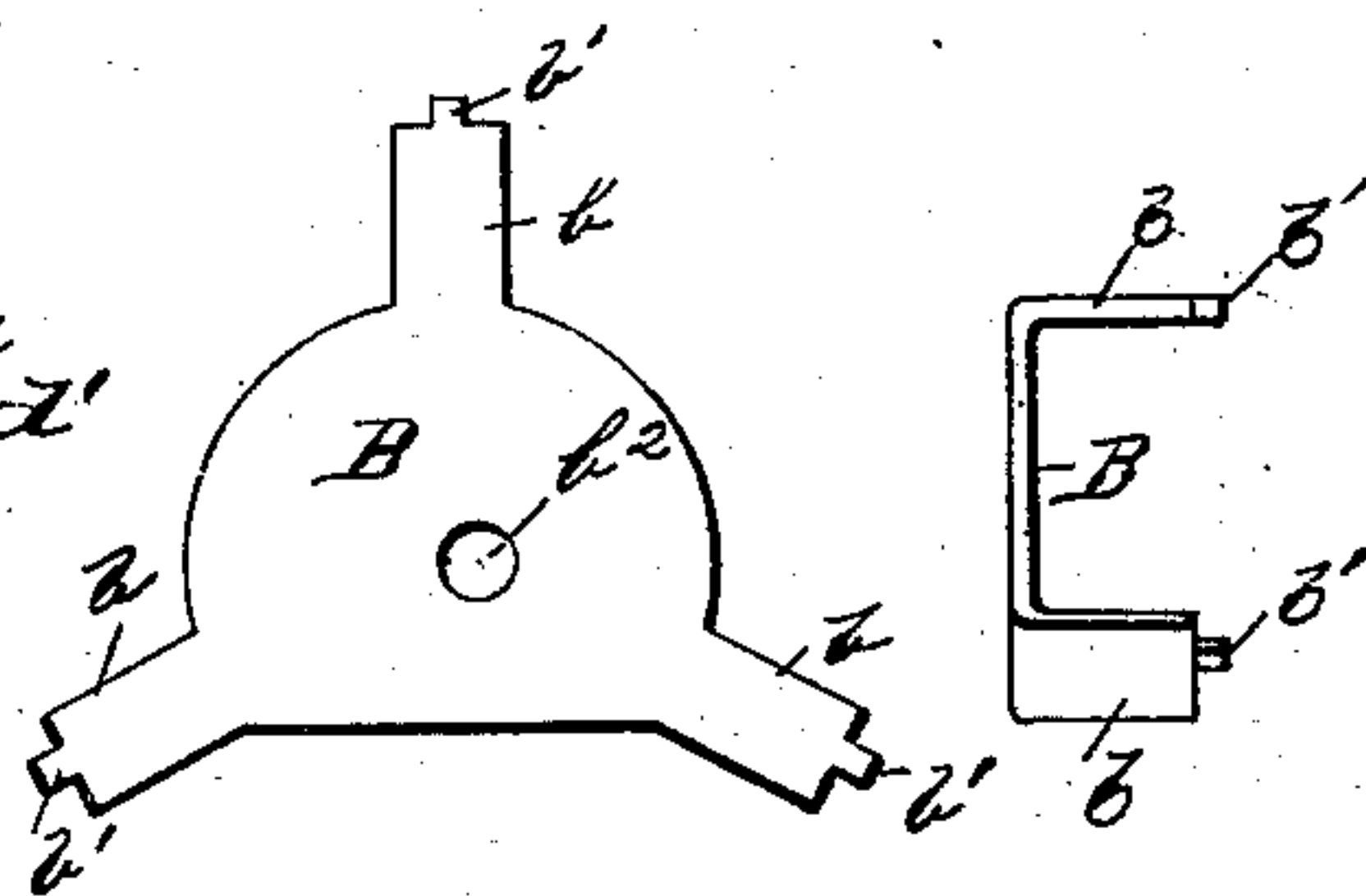


Fig. 6.



Witnesses:

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UNITED STATES PATENT OFFICE.

EDWARD JOHN GULICK, OF JAMESTOWN, NEW YORK, ASSIGNOR OF ONE-HALF TO ADAM F. WEBER, OF SAME PLACE.

ADJUSTABLE ROLLER.

SPECIFICATION forming part of Letters Patent No. 657,488, dated September 4, 1900.

Application filed April 27, 1900. Serial No. 14,639. (No model.)

To all whom it may concern:

Be it known that I, EDWARD JOHN GULICK, a citizen of the United States, residing at Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Adjustable Rollers; 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.

My invention relates to adjustable rollers for doors, windows, or the like, and has for its object to provide a roller for the above-named purposes which will bring the frames of the doors and windows and the casings up close together and parallel with each other without removing or resetting the roller.

With this object in view I have constructed a roller which is cheap to manufacture, easy of operation, and, above all, practical and efficient, the points of novelty of which will hereinafter be fully described, and more particularly set forth in the appended claims.

Referring to the accompanying drawings, Figure 1 is a front view of my improved roller in an operative position. Fig. 2 is a sectional view of the same, taken on the lines X X of Fig. 1. Fig. 3 is a rear view of my improved roller. Fig. 4 is a view of the lever, eccentric-pin, and roller. Fig. 5 is a front elevation of the main plate, and Fig. 6 shows a front and a side elevation of the rear plate.

The same letters of reference indicate like parts throughout the several figures, in which—

A is the main plate, substantially semicircular in form and provided with the screw-holes a near the periphery thereof, quadrangular openings a' , and an eccentric circular opening a^2 .

B is the rear plate, substantially semicircular in form, but much smaller than the main plate A, and provided with arms b , having nibs b' and an eccentric circular opening b^2 .

C is the adjusting-lever and guide, provided

with a quadrangular opening c , said lever being T-shaped in form, except that the top c is curved on an arc described by a radius extending from the quadrangular opening c .

D is the eccentric-pin, having two eccentric-journals d' and d^2 , said journal d' having its end flattened to fit the opening c in the lever C, the journal d' revolving in the eccentric opening a^2 in the main plate A, and the journal d^2 revolving in the eccentric opening b^2 in the rear plate B.

E is the roller designed to revolve on the pin D and having a smooth periphery or tread.

F is a frame, G the casing, and g a groove therein.

The arms b of the rear plate B are bent at right angles to said plate and the nibs b' register with the quadrangular openings a' of the main plate A. They are then fastened or clenched in any suitable manner.

Having thus specifically set forth the several parts of my invention, its operation is as follows: When the roller is set into the frame, as shown in Fig. 1, the guide and adjusting-lever is turned down into the groove g , as shown in Figs. 1 and 2, thus preventing the frame F from lateral movement. Said adjusting-lever being securely attached to the eccentric journal d' of the pin D turns said pin D up or down according as the lever is turned from right to left. Consequently if it is desired to lower the roller in order to raise the frame F the adjusting-lever C is turned to the right until the roller E is lowered sufficiently. The screw f is then screwed in until its head holds the top c' of the adjusting-lever C, thus holding said lever and roller securely at the desired adjustment. If, on the other hand, it is desired to raise the roller, and consequently lower the frame the adjusting-lever is turned in the opposite direction and secured as described.

I do not wish to be understood as limiting myself to the exact construction herein set forth, as various slight changes might be made therein by those skilled in the art; but I con-

sider myself entitled to all such changes and modifications which fall within the limit and scope of my invention.

What I claim as new, and desire to secure
5 by Letters Patent of the United States, is—

1. In an adjustable roller, the combination of the roller, the eccentric-pin, and the adjusting-lever and guide substantially as shown and described.
- 10 2. In an adjustable roller, the combination with the main and rear plates thereof, of the

eccentric-pin journaled therein, the roller having a smooth periphery or tread and journaled on said eccentric-pin, and the adjusting-lever and guide secured to said eccentric-pin, substantially as shown and described. 15

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD JOHN GULICK.

Witnesses:

A. F. WEBER,

Mrs. E. J. GULICK.