

(No Model.)

3 Sheets—Sheet 1.

J. GRUNDY.
TOY.

No. 543,828.

Patented July 30, 1895.

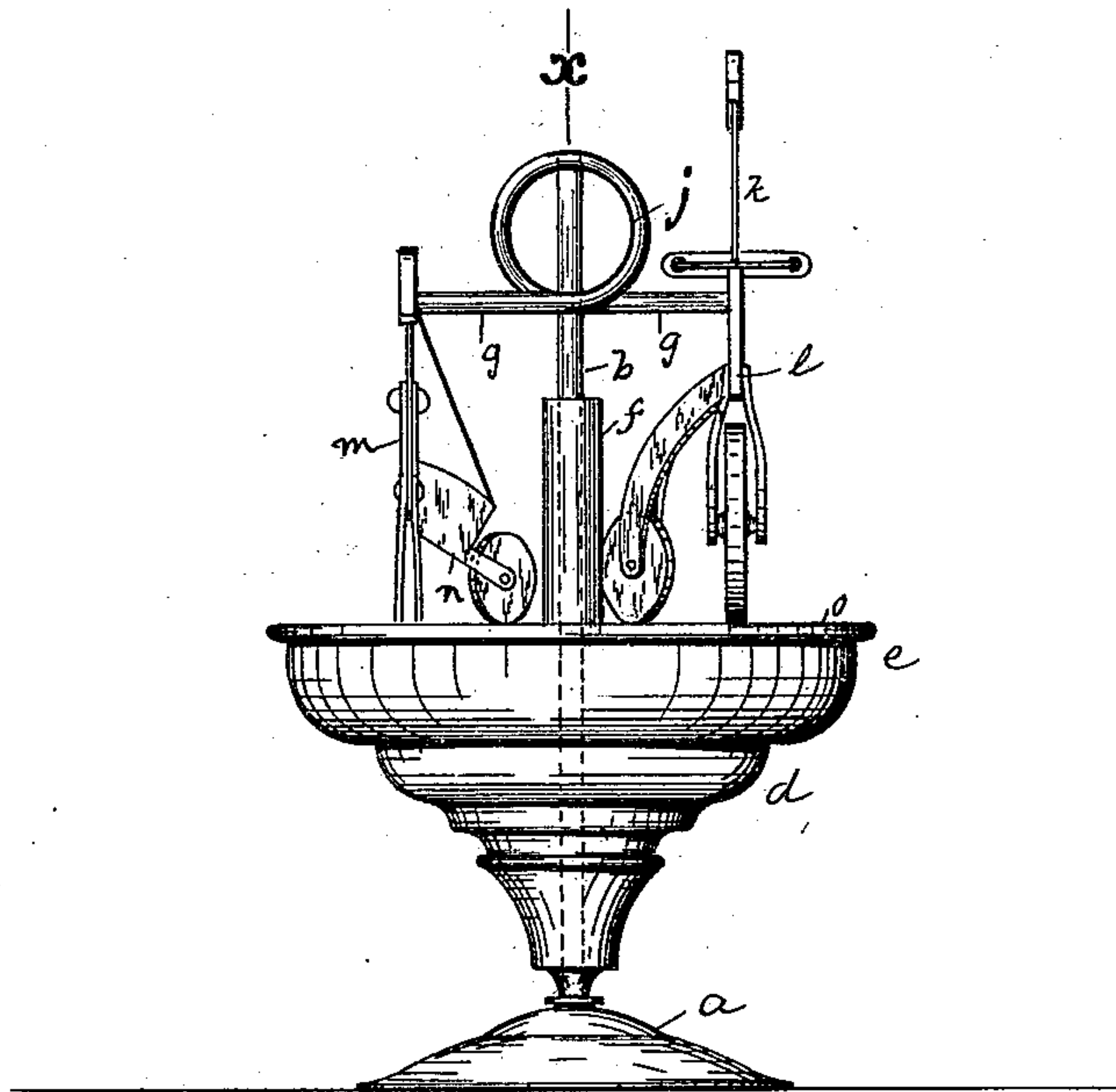


Fig. 1.

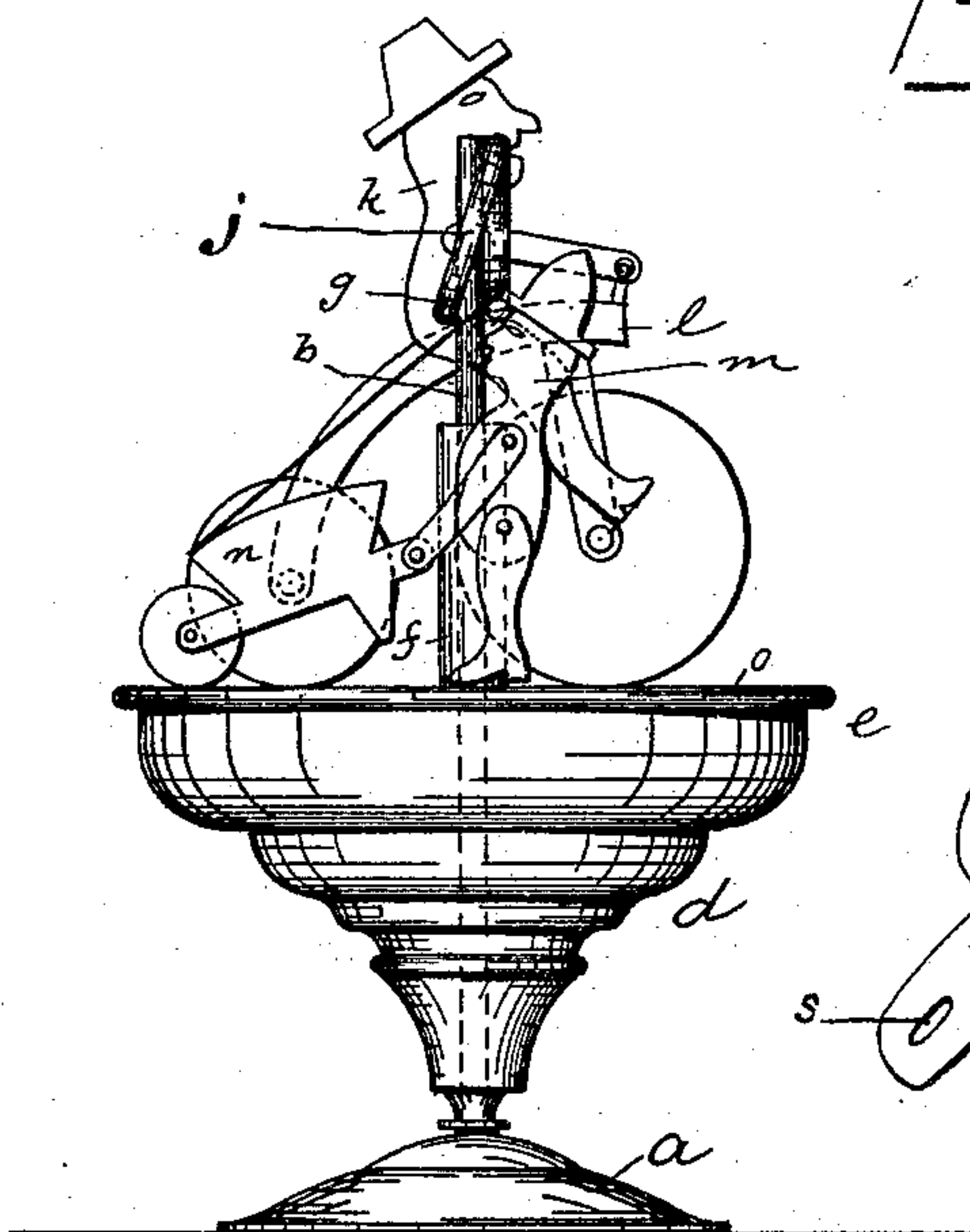


Fig. 2.

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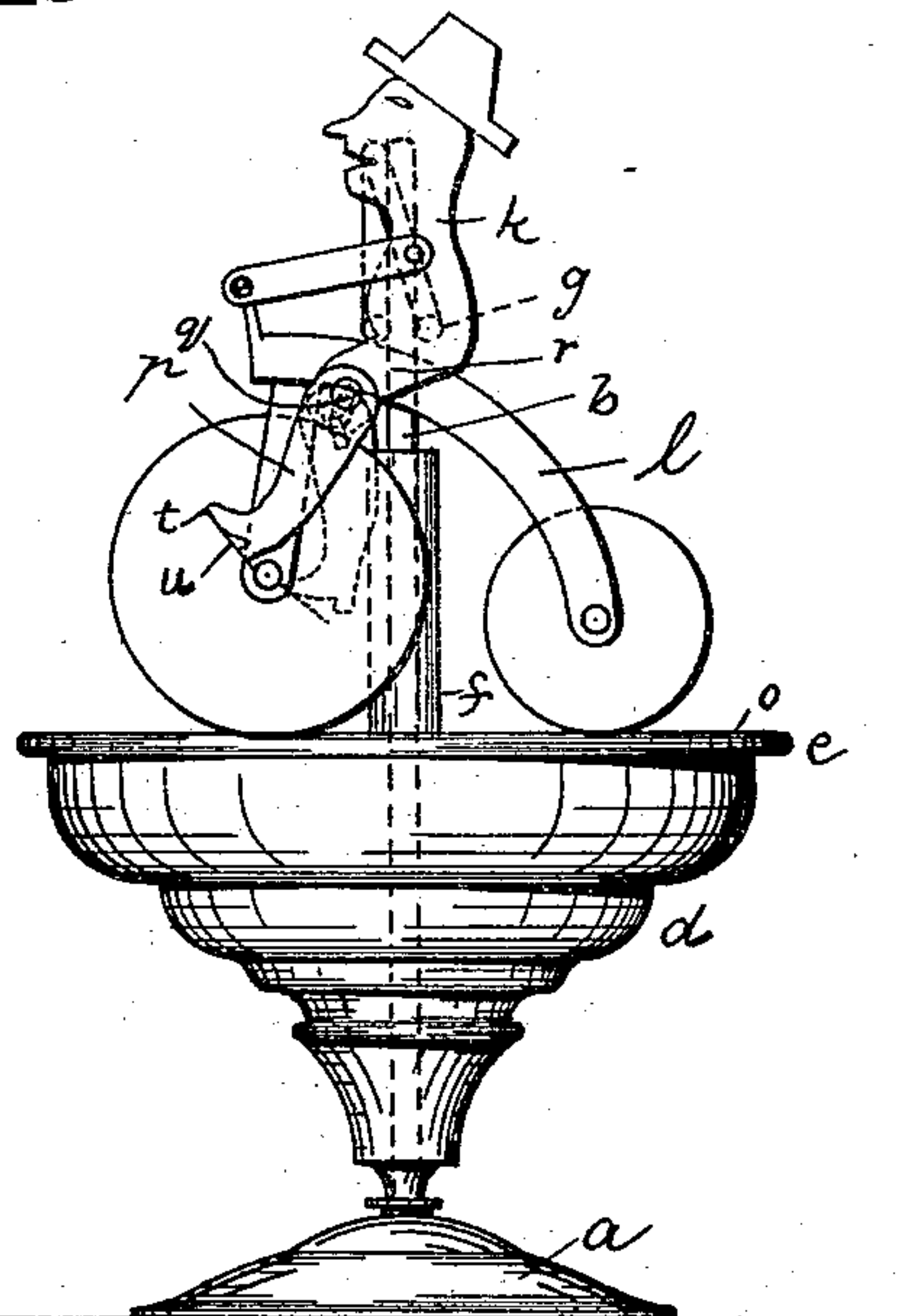


Fig. 3.

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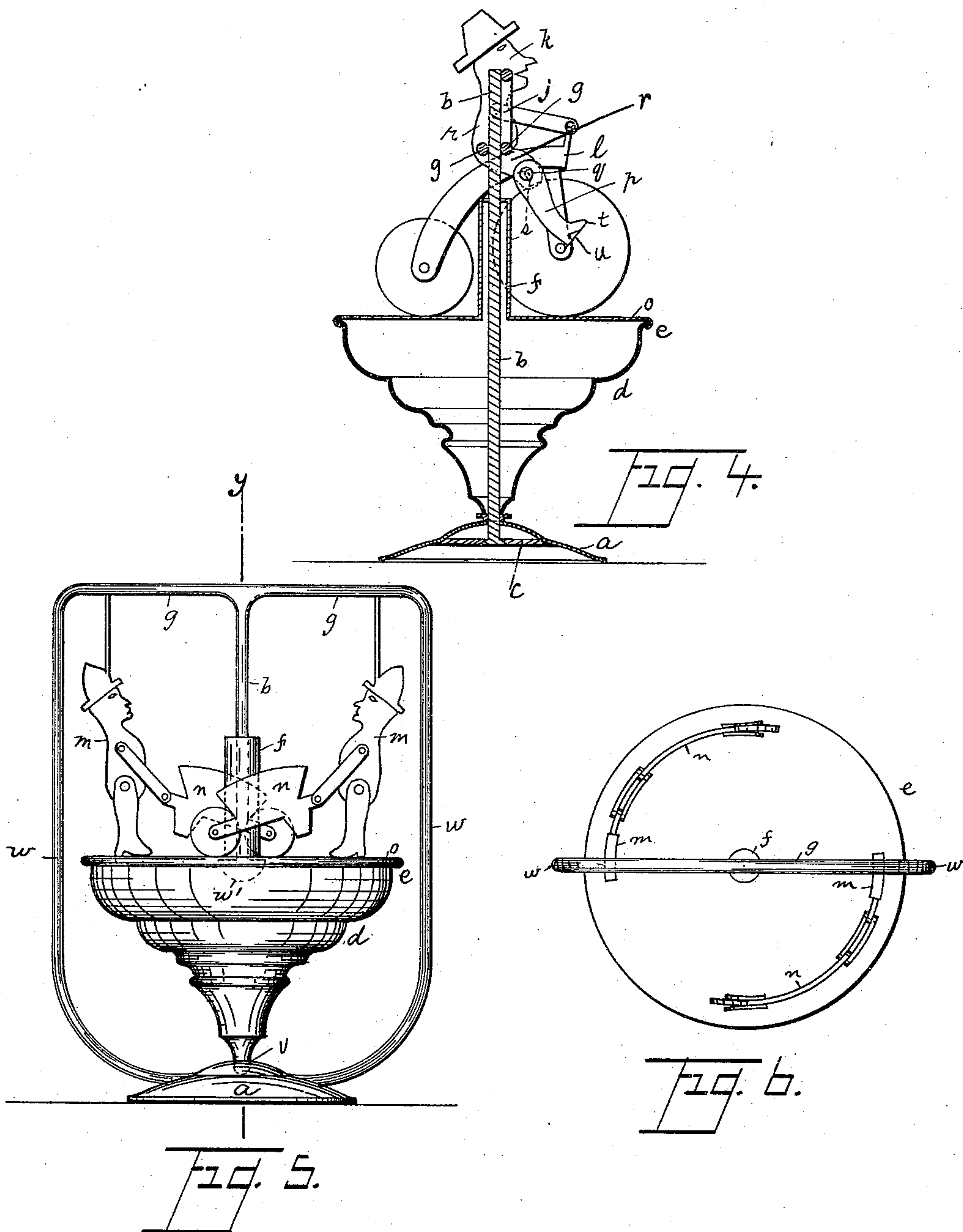
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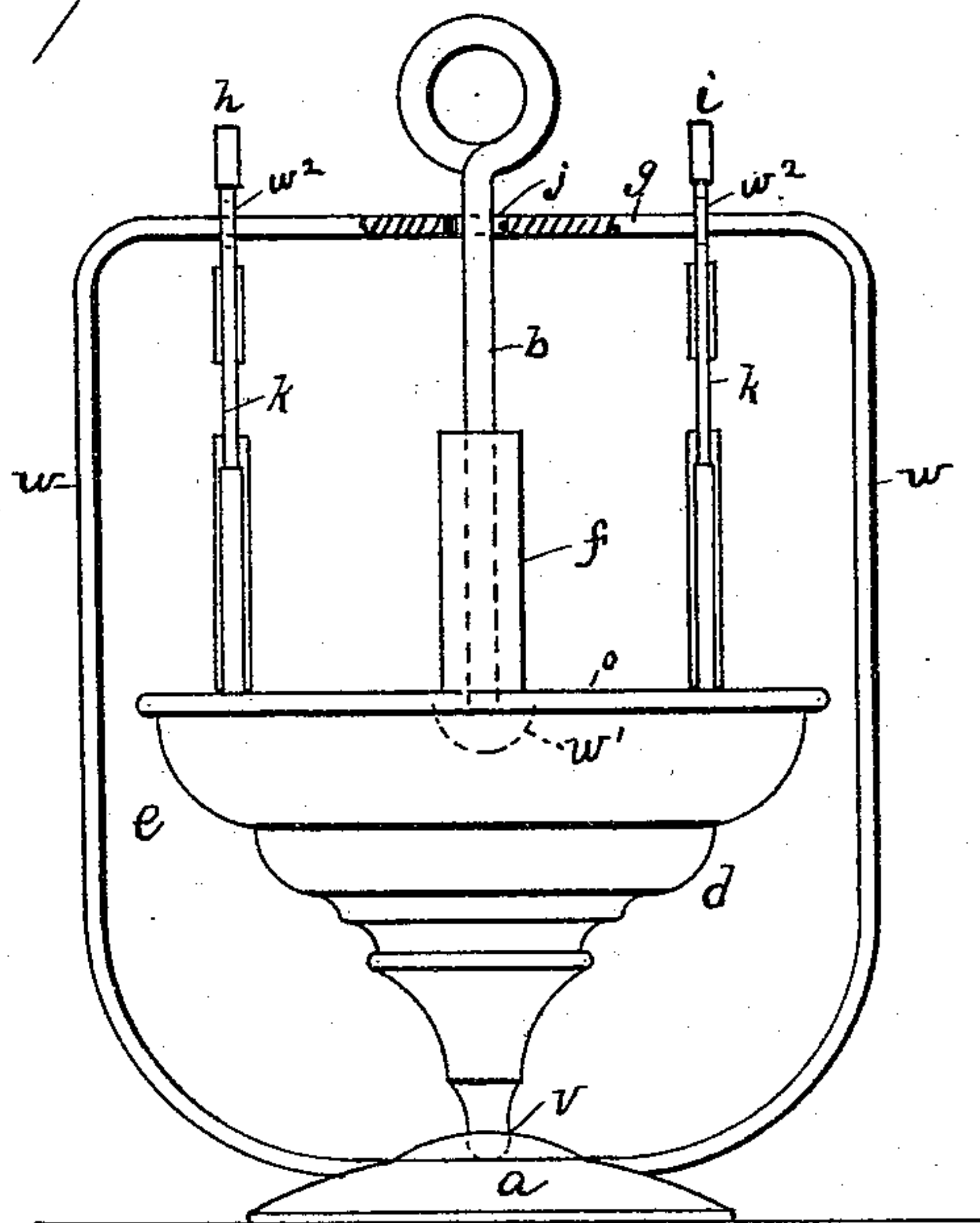
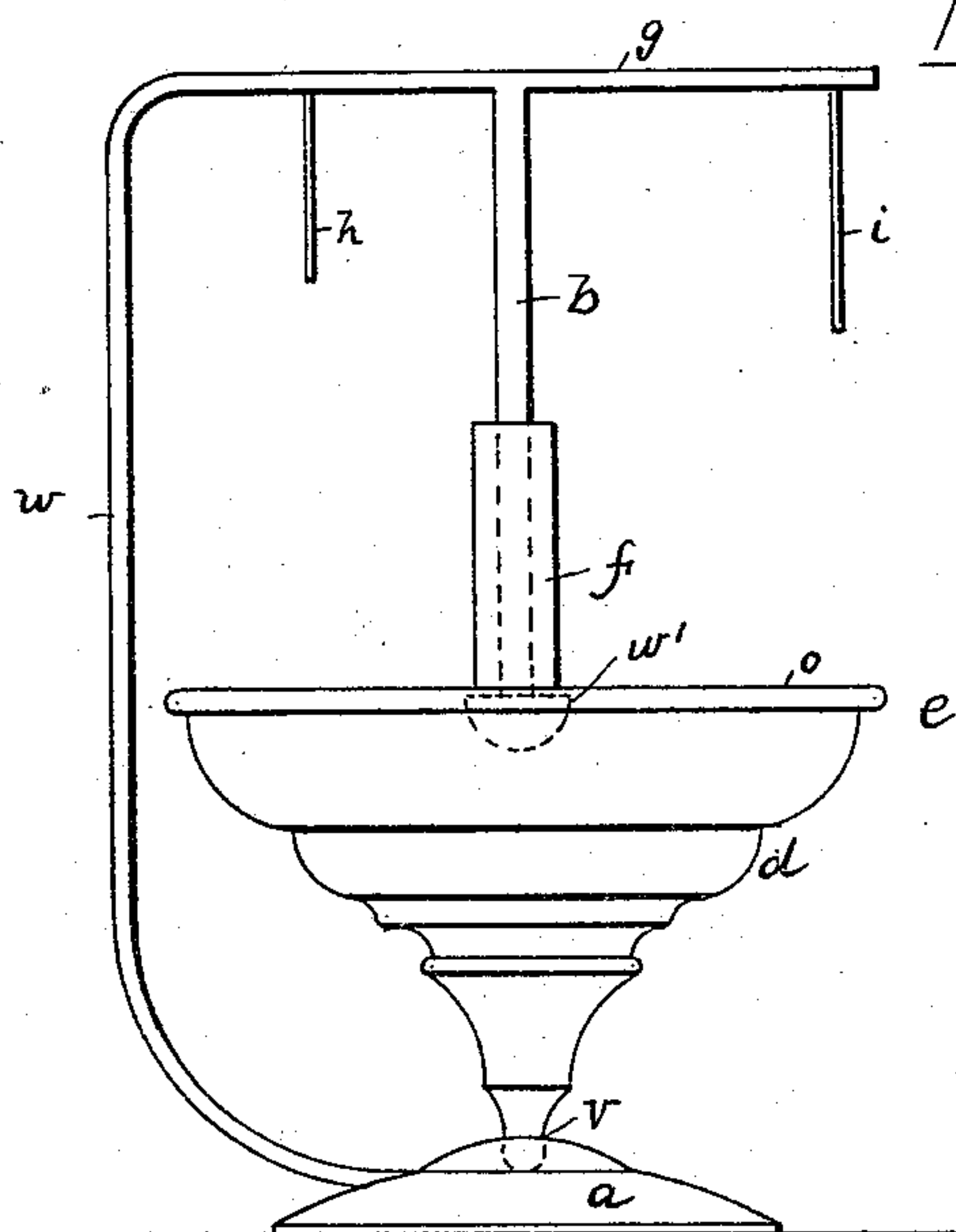
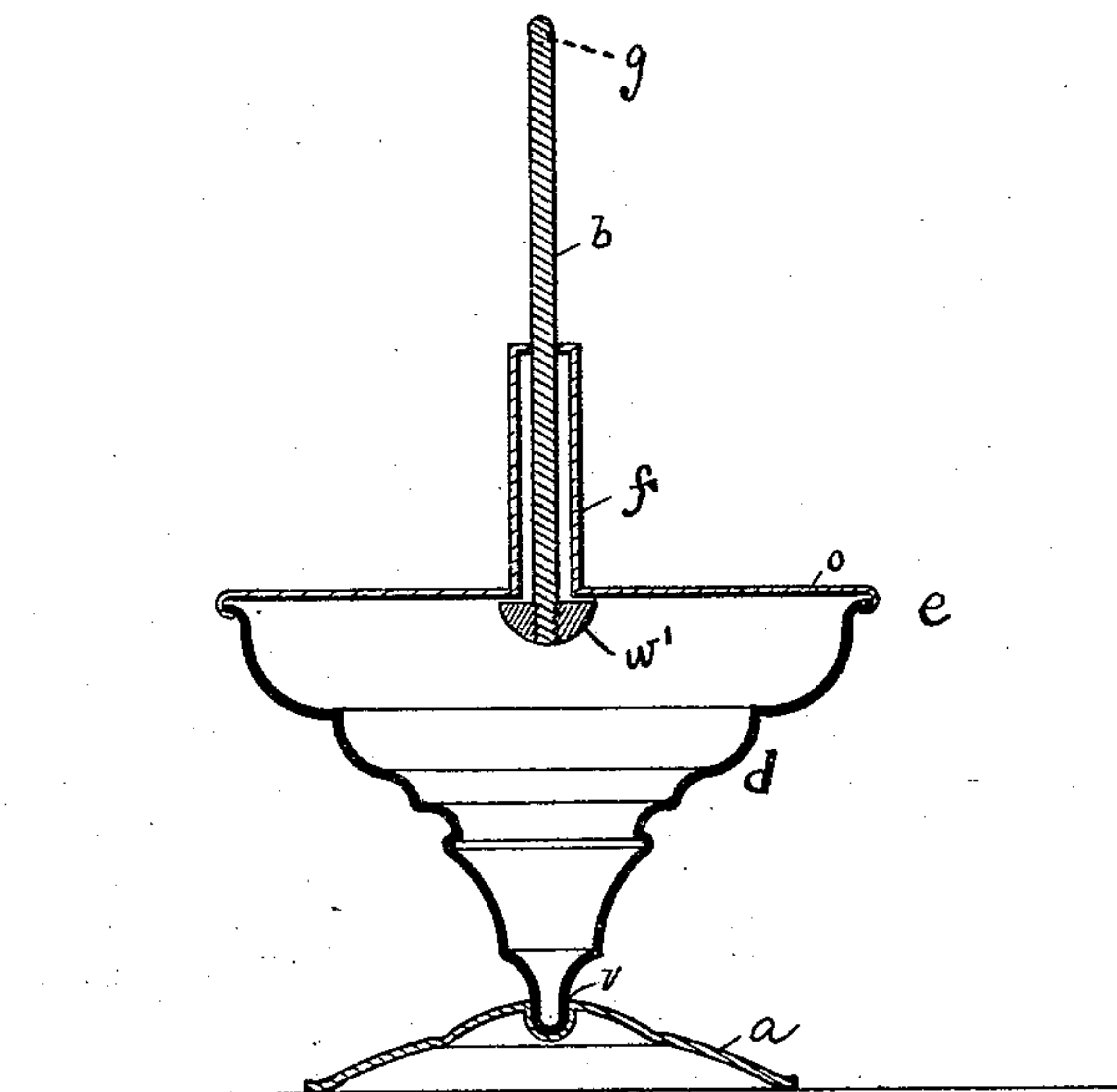
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3 Sheets—Sheet 3.

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UNITED STATES PATENT OFFICE.

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TOY.

SPECIFICATION forming part of Letters Patent No. 543,828, dated July 30, 1895.

Application filed October 9, 1894. Serial No. 525,336. (No model.)

To all whom it may concern:

Be it known that I, JAMES GRUNDY, a citizen of the United States, residing at Paterson, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Toys; 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.

The object of this invention is to construct a toy and through the operation of spinning to impart motion to figures fastened to the top and to provide or secure other advantages and results, some of which will be referred to in connection with the description.

The invention consists in the improved toy and in the arrangements and combination of parts, all substantially as will be hereinafter set forth, and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a front elevation of my improved toy. Figs. 2 and 3 are side elevations, respectively, of Fig. 1, showing in Fig. 3 that only one figure may be used. Fig. 4 is a section on line *x* of Fig. 1. Fig. 5 is a front elevation of a modified construction, showing a frame attached to the base and bent up and across and enters the top from the center and the figures suspended from the cross-piece. Fig. 6 is a top plan view of the same, showing the shape in which the figures will be when in use. Fig. 7 is a section on line *y* of Fig. 5, omitting the figures. Figs. 8 and 9 are modified constructions showing different forms of suspending the figures and to construct and make the base more secure; and Fig. 10 is a detail view, enlarged, showing the body portion having the slot for the easy vertical movement of the leg attached to the pedals of the velocipede.

In said drawings, *a* indicates the base of the top, having a central rod *b* fastened to the base by a plate *c*, the end of said rod *b* be-

ing countersunk into the said plate and soldered, said rod *b* passing up through the body *d* of the top *e* and through the winding-post *f*, to which is fastened the cross-piece *g*, to which the figures *k* and *m* are secured. The cross-piece *g* is turned into a loop *j*, to serve as a finger-piece when the top is ready to be unwound.

As shown in Figs. 1, 2, and 3, the figures show, respectively, a boy *k* on a velocipede *l* and a boy *m* having the handle of a wheelbarrow *n* in his hand, and in Fig. 4 is shown only one figure, and that being the boy on the velocipede.

The top is put in operation as follows: The string is wound around the post *f*, and when fully wound the top is placed on a fixed board or place and is held down until the string is quickly removed, which will give the top a very high rate of revolution and as the velocipede *l* and wheelbarrow *n* rest lightly on the top cover *o* of the revolving top motion will be imparted to the said wheels of the velocipede and wheelbarrow, as fully shown upon referring to the drawings. The legs *p* of the boy *k* are connected by a pivot *q* to the body portion *r* of the boy and works in a slot *s* of the body portion, and the leg *p* is secured at the point *t* on the pedals *u*, so as to allow the legs of said boy to raise and lower in said slot by each revolution made by the front-wheel pedal.

In Figs. 5, 6, and 7 are shown a different mode of construction without departing from the spirit of my invention on having the top body *d* working in a grooved recess *v* of the base, and both ends of the frame *w* connected to the said base-plate and bent upward and across the top, and having a central rod *b* extending down and fastened to the cross-piece *g* and entering the winding-post *f*, and have a head *w'* screwed on the end under the cover *o* to prevent the same from being unloosened, as fully shown in the said figures. In this construction the figures are suspended from the cross-piece.

In Fig. 8 the frame *w* is fastened only at one end to the base-plate and the other end being just long enough to extend over the top of said top.

In Fig. 9 the frame *w* is fastened at both ends to the base-plate and has a loop *j* for passing the central rod *b* through, and said rod having a head *w'* on the under side of the cover *o*, and in this case the cross-piece passes through the figure, and said figure has a slot *s'* for the cross-piece to work in.

The different constructions are shown and described to show the different ways in which I can use my invention, and therefore I do not wish to be understood as limiting myself to the precise construction and arrangements of parts described and shown, as various modifications therein may be made without departing from the spirit of my invention.

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

1. In a toy, the combination with the base, a revolving body, a central rod passing through said body, cross piece fastened to said central rod, figures fastened to said cross piece and resting on said revolving body, substantially as and for the purposes set forth.

2. In a toy, the combination with the base, a body revolving in a groove recess, a frame fastened to the base, said frame extending upward and across said revolving body, figures suspended and fastened to the cross piece, central rod extending down from said cross piece and entering said revolving body, a winding post, all of said parts being arranged and combined substantially as set forth.

3. In a toy, the combination with the base

a, central rod *b* fastened to said base and passing through the body *d* and winding post *f*, cross piece *g* fastened to said rod *b* and figures fastened to the ends of the cross piece *g*, substantially as and for the purposes set forth.

4. In a toy, the combination with the base *a*, frame *w* fastened to the base and extending upward and across a revolving body, rod *b* extending downward from said frame, and entering at the axis of said revolving body, winding post *f* fastened to said revolving body *d* of said toy, said body revolving in a groove recess in said base, figures suspended from said frame and resting lightly on the cover of said revolving body, substantially as shown and described.

5. In a toy, the combination with the base *a*, central rod *b* fastened to said base and passing through a revolving body *d*, winding post *f* fastened to said body *d*, cross piece *g* fastened to said rod *b*, a velocipede *e*, resting upon the cover of said revolving body, figures fastened to said cross piece and velocipede, said figures having slots in the body portion to allow vertical movement to the legs fastened to the pedals of said velocipede, substantially as set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 25th day of September, 1894.

JAMES GRUNDY.

Witnesses:

OSCAR A. MICHEL,
AUGUST GROSS.