

No. 631,889.

Patented Aug. 29, 1899.

A. FRIEDERSDORFF.
BABY WALKER.

(Application filed May 10, 1899.)

(No Model.)

Fig. 1.

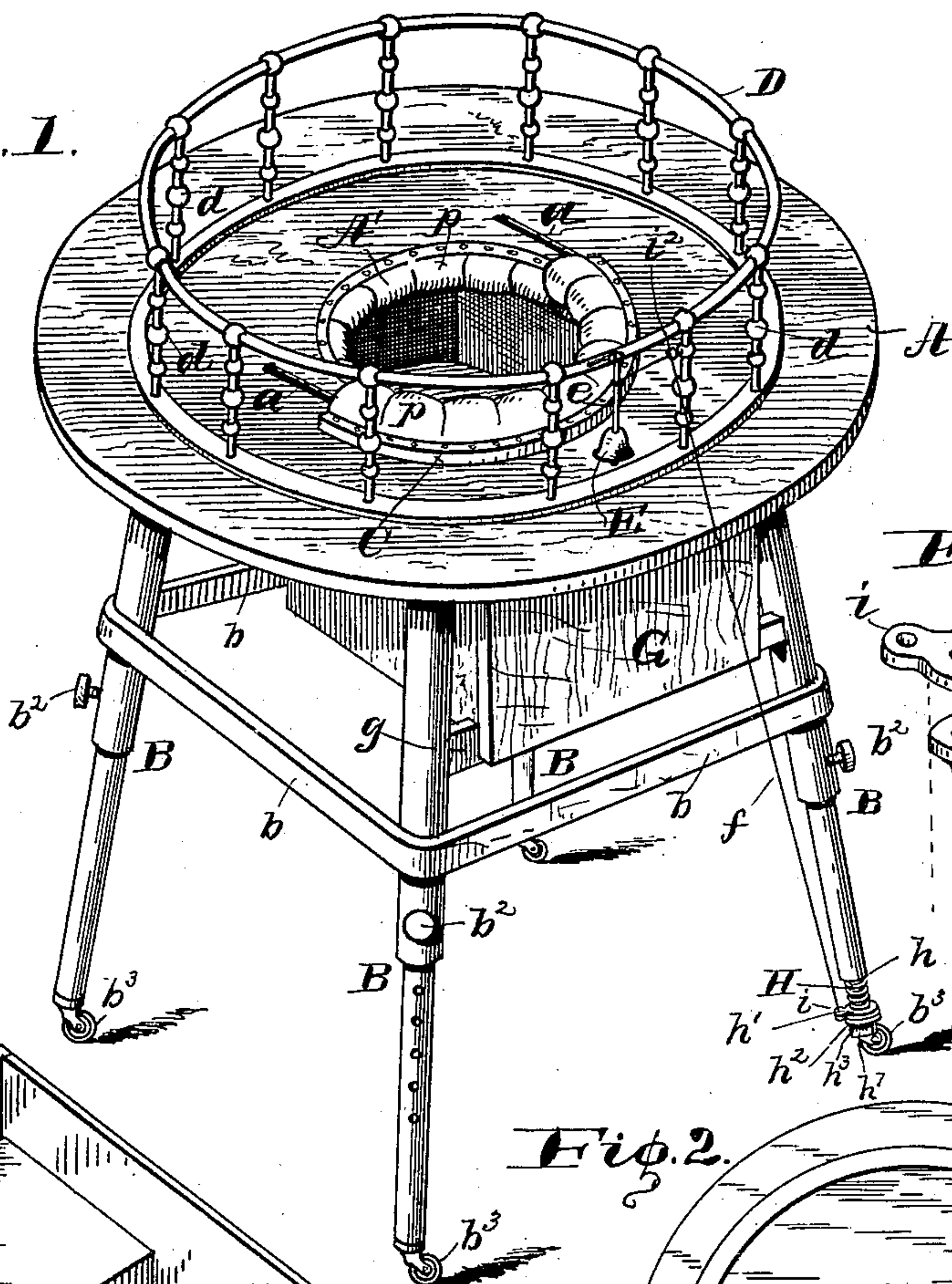


Fig. 5.

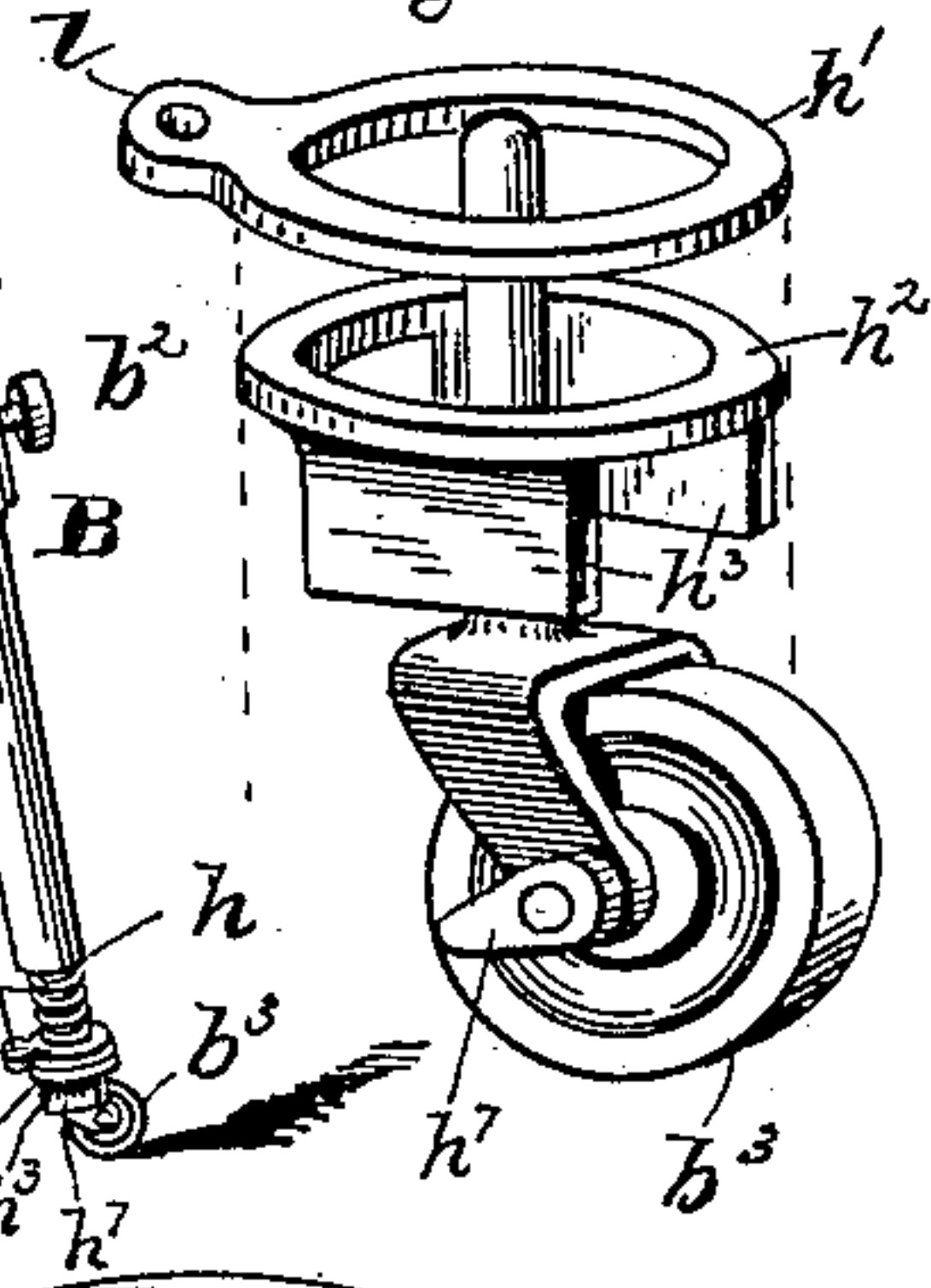


Fig. 4.

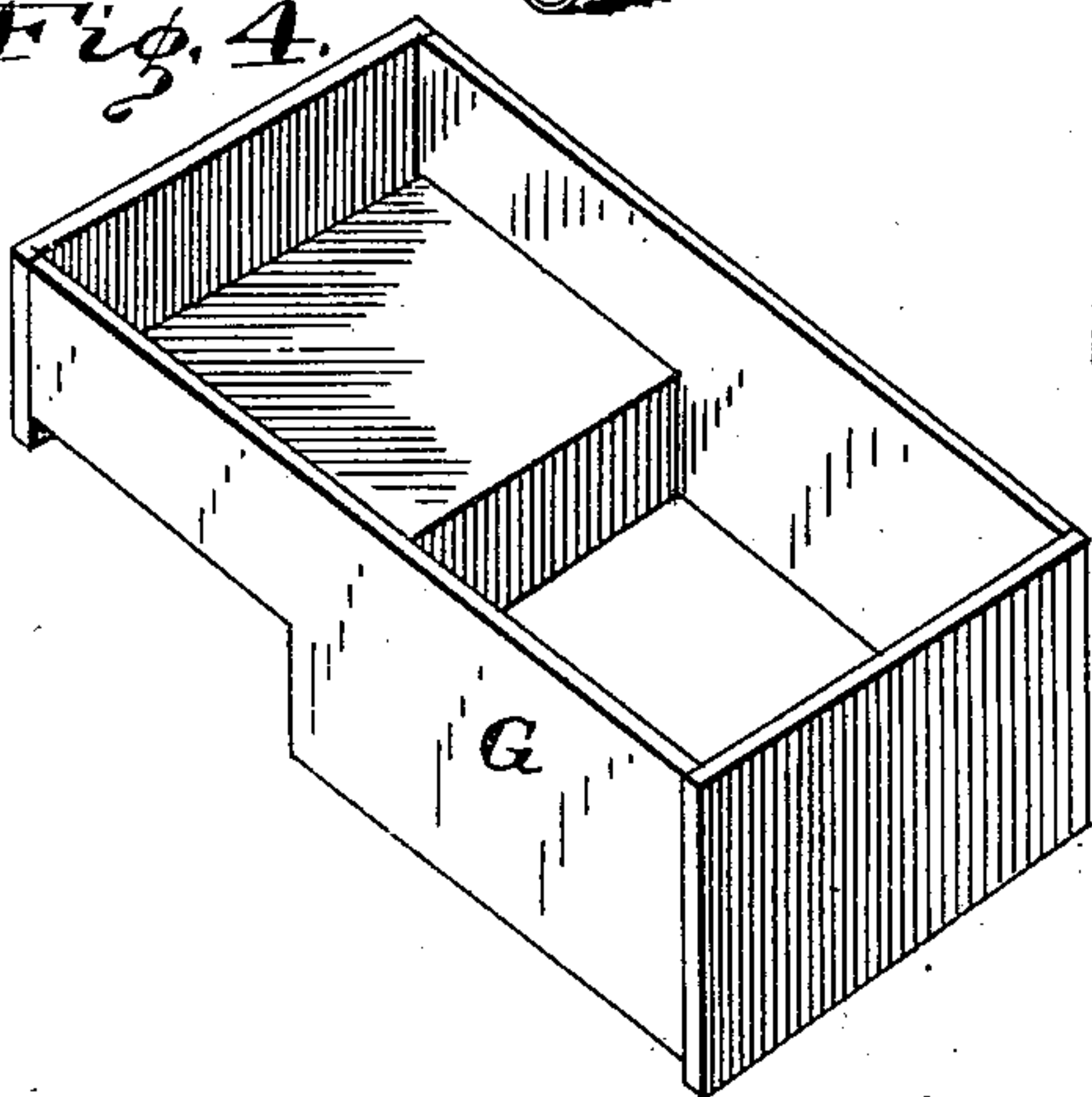


Fig. 2.

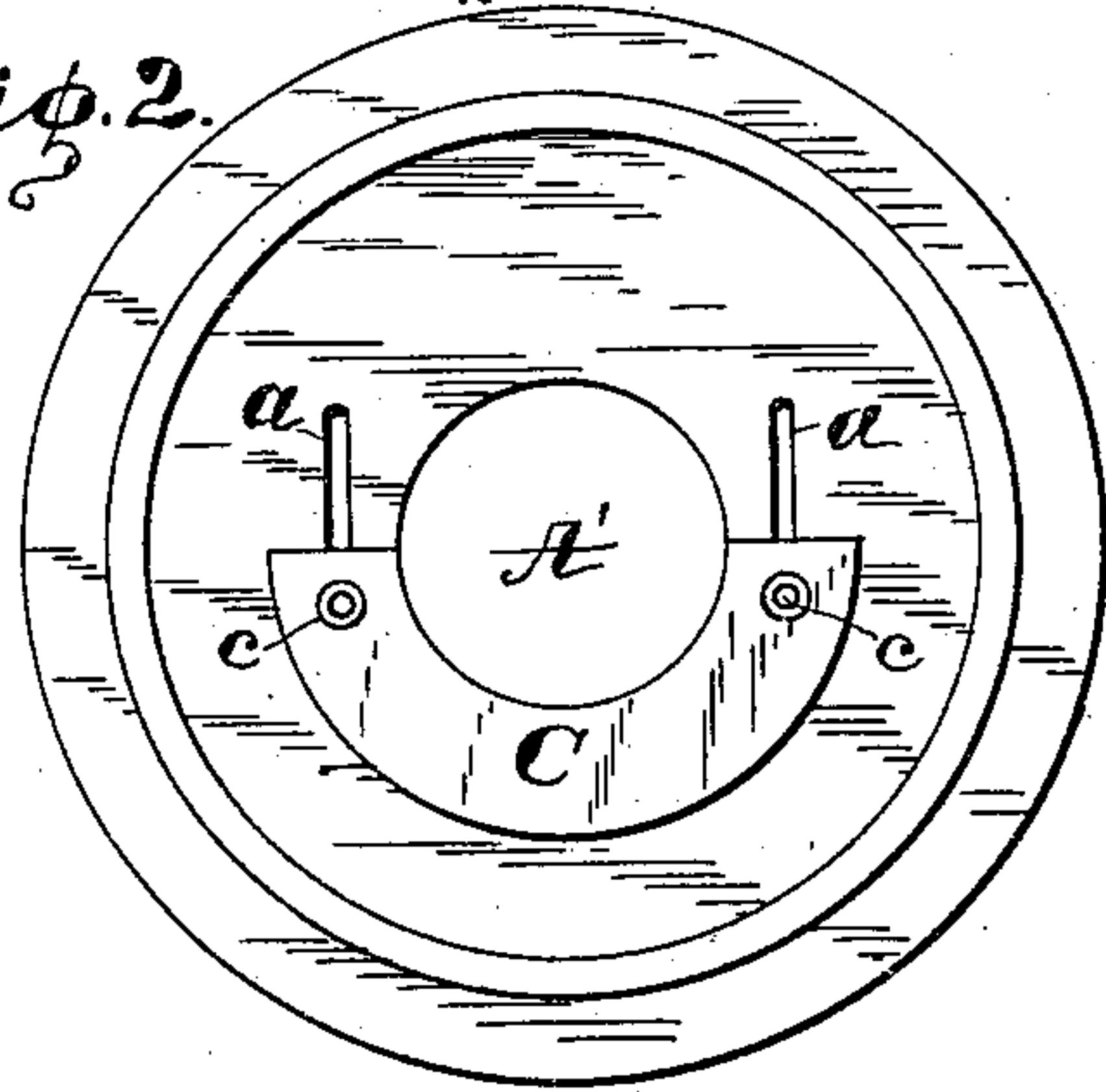
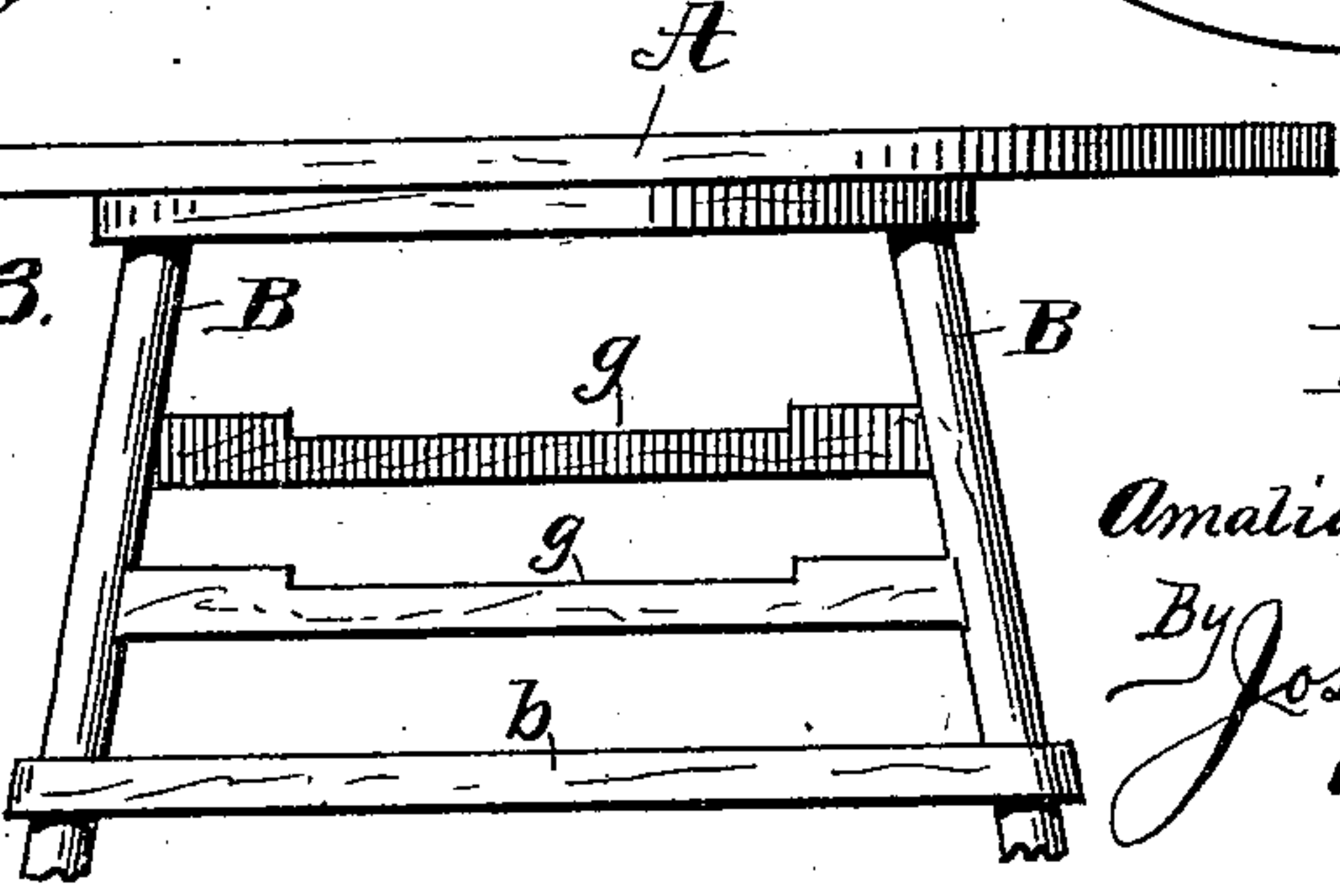


Fig. 3.



Witnesses,
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UNITED STATES PATENT OFFICE.

AMALIA FRIEDERSDORFF, OF GRAMMAR, INDIANA.

BABY-WALKER.

SPECIFICATION forming part of Letters Patent No. 631,889, dated August 29, 1899.

Application filed May 10, 1899. Serial No. 716,235. (No model.)

To all whom it may concern:

Be it known that I, AMALIA FRIEDERSDORFF, a citizen of the United States, residing at Grammar, in the county of Bartholomew and State of Indiana, have invented certain new and useful Improvements in Baby-Walkers, of which the following is a specification.

This invention relates to improvements in baby-walkers; and the object of the invention is to provide an attractive piece of furniture of low cost to manufacture and durable, without being heavy and clumsy in appearance.

The object also is to provide a baby-walker which can be adjusted as to height and also as to the size of the opening to receive the child's body to suit the size of the child using it; and a further object is to provide mechanism for ringing a bell or setting toys in motion by the travel of the baby-walker as it is pushed over the floor by the child.

I accomplish the objects of the invention by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my invention; Fig. 2, a plan view of the table with railing removed; Fig. 3, a detail in side elevation of the table top and part of the legs, showing specially the cross-bars on which the removable seat is placed; Fig. 4, a perspective view of the seat removed from the supporting parts, and Fig. 5 details in perspective of the lower bell or toy actuating mechanism.

Like letters of reference indicate like parts throughout the several views of the drawings.

A is the table, and B the legs, four in number, which support it. The table is preferably circular in shape and has a central opening A', also preferably circular and large enough to allow the body of the child to be lowered through it. The table also has a pair of parallel slots *a a*, located one on each side of the opening A' to form guides for a superimposed semi-annular plate C, which is adapted to be moved back and forth over the opening A' to increase or decrease the area of the latter. Bolts *c* (see Fig. 2) pass through the plate C and down through the slots *a a*. The plate C and edges of opening A' may be padded, as shown at *p*, to prevent injury to the child.

Secured to the top side of the table is the railing D for the child to take hold of with its hands and to form a support for various toys for its amusement. The railing is supported by the spindles *d*. Fig. 1 shows a bell E, suspended by an elastic bar *e* from the rail D and connected by the cord *f* with ringing mechanism which will be hereinafter described.

The legs B of the table are held from spreading by any of the well-known means, (here shown as the horizontal bars *b*,) and mortised into or otherwise secured between each front and back pair of legs are the horizontal bars *g g*, with reduced middle portions, forming seats with shoulders to receive a seat-box G. The seat-box G consists of a rectangular frame, the sides of which rest upon the bars *g g*, with the ends of the frame on the outside of the said bars and extending down against the sides of the bars to prevent longitudinal movement of the box-frame thereon. The rear end of the box is floored over a suitable distance toward the front to form a seat; but the front portion of the box is left open at the bottom to allow the child to get its feet down onto the floor. It will thus be seen that the child may either stand or sit in the baby-walker. The seat may be cushioned in any suitable manner.

As the height of the table and seat above the floor will depend on the size of the child and will vary as the child grows in height, it is important to provide means whereby the height of these parts above the floor can be regulated. This adjustment I accomplish by making the legs B in two parts, the lower of which telescopes into the upper, and I retain any given adjustment by means of the set-screws *b*². The legs are each provided with a caster *b*³ of usual construction. One of the legs, as shown in Fig. 1, will have its lower end reduced to form a shoulder *h* to give a bearing for the upper end of a spiral spring H, which slips onto the reduced end of the leg. Then below the spring a ring *h*¹ is placed, and below the ring *h*¹ is a second ring *h*², having a pair of under side parallel flanges *h*³, which make sufficiently close fit with the yoke *b*⁷ of the caster *b*³ to cause the ring *h*² to swing around in unison with the changing positions

of the caster and its yoke. Mounted on the spindle or axis of the caster-roller is a cam h^7 , and the roller, spindle, and cam all rotate together, whereby the contact of the cam against the under edge of the flange h^3 of the ring h^2 as the cam passes over will cause the ring h^2 and also the ring h' , resting on it, to be raised, the spring above being compressed; but on the passage of the cam out of contact with the flange h^3 the action of the spring will lower the rings. The top ring h' is provided with a perforated lug i , to which the lower end of cord f , previously mentioned, is secured. The cord f passes through an eyelet i^2 , secured to one of the spindles of the railing, and extends from thence to the elastic bar e , supporting the bell E . The rise and fall of the rings at the bottom of the leg induced by the action of the caster and its cam when the baby-walker is pushed over the floor causes the bell to ring.

It is obvious that many mechanical toys could be connected to operate by the action of the cord f .

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

1. In a baby-walker, a table having a central opening adjustable in size by means of a sliding plate and having a railing around the opening, telescoping legs to support the table having set-screws to retain a given adjustment, a pair of cross-bars connecting the legs in pairs said bars being notched to receive a seat-box, and a seat-box having ends projecting below its sides removably secured under the table by resting upon the cross-bars in the notches thereof, said cross-bars being between the projecting seat-box ends, substantially as described.

2. In a baby-walker, a table having a central opening for the occupant, a railing around the opening, a toy supported by the railing, legs to support the table having roller-casters at their lower ends, a ring above one of the casters pressed down by a spring, a cam rotated by the caster-roller against the ring to raise the latter and a cord connecting the ring with

the toy in the manner substantially as described and for the purposes specified.

3. In a baby-walker, the combination with a body mounted on legs and a toy supported from the body, of mechanism for actuating the toy comprising a ring connected by a cord with the toy and reciprocated longitudinally of one of the legs by a spring above and a cam below rotated by attachment to the spindle of a roller-caster, substantially as described and specified.

4. In a baby-walker, the combination therewith of a toy and a cord fastened at one end to the toy and at the other to mechanism to successively pull and release the cord, and said mechanism actuated by a cam on the shaft of a roller which helps to support the baby-walker, substantially as described.

5. In a baby-walker, a table having a central opening adjustable in size by means of a sliding plate, a railing supported by spindles from the top of the table, legs adjustable in length to support the table and terminating at their lower ends with roller-casters, cross-bars cut away on top to receive a seat-box, a seat-box supported under the table by the cross-bars and having ends to overlap the outer sides of the cross-bars, a roller-caster mounted to turn with its spindle, a cam on said spindle, a ring above the caster with a pair of under side flanges between which the caster-yoke is seated and against which the cam contacts at each revolution, a second ring above the one with the flanges, a spring above the second ring to press both rings downwardly, a toy supported by the railing and a cord passing over an eyelet and fastened at one end to the toy and at the other to one of the rings, substantially as and for the purposes specified.

In witness whereof I have hereunto set my hand and seal, at Grammar, Indiana, this 5th day of May, A. D. 1899.

ANALIA FRIEDERSDORFF. [L. s.]

Witnesses:

A. AMANUS,

LINA FRIEDERSDORFF.