

No. 702,515.

Patented June 17, 1902.

O. C. WIESNER.
MECHANICAL TOY.

(Application filed Sept. 30, 1901.)

(No Model.)

Fig. 1.

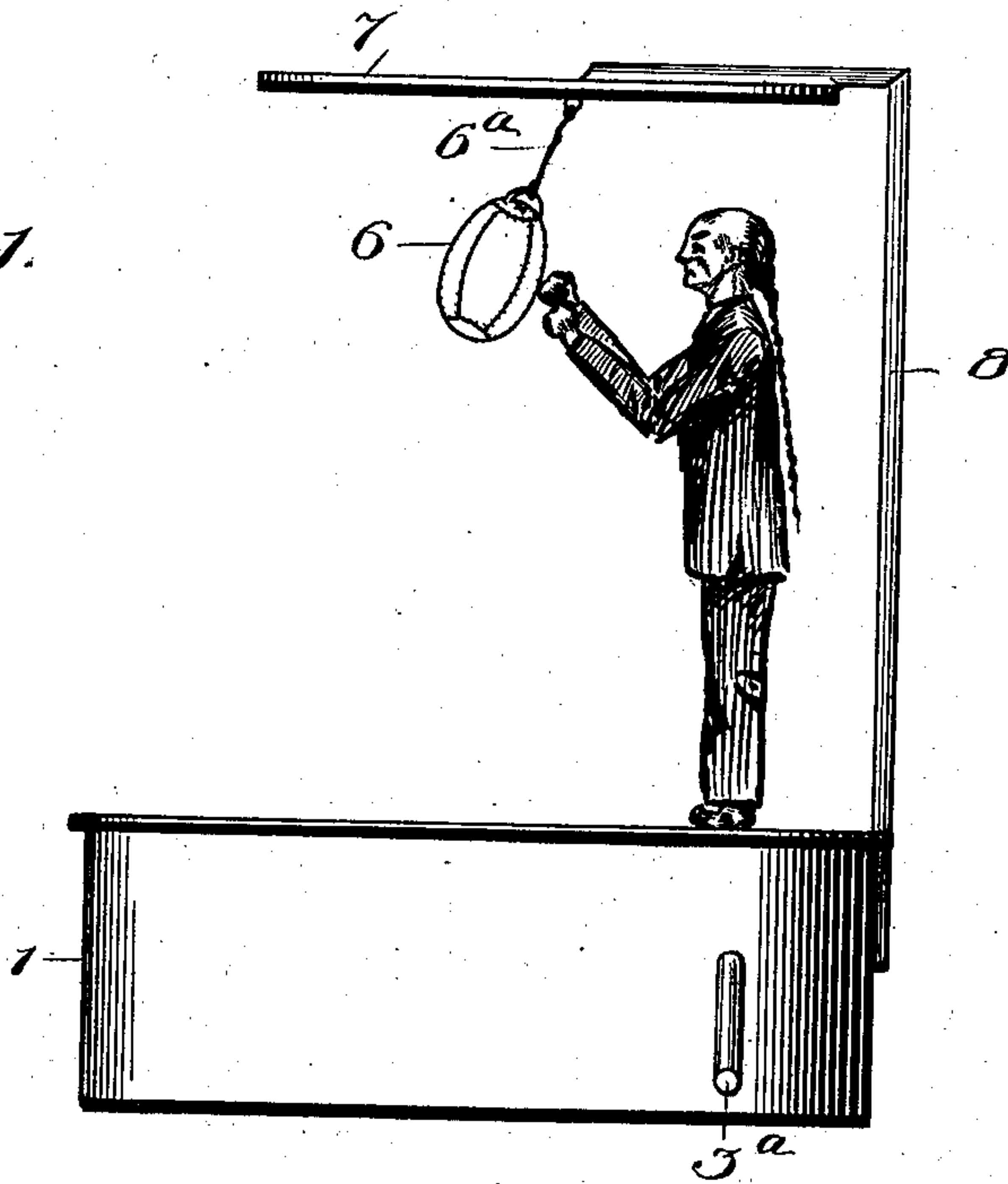


Fig. 2.

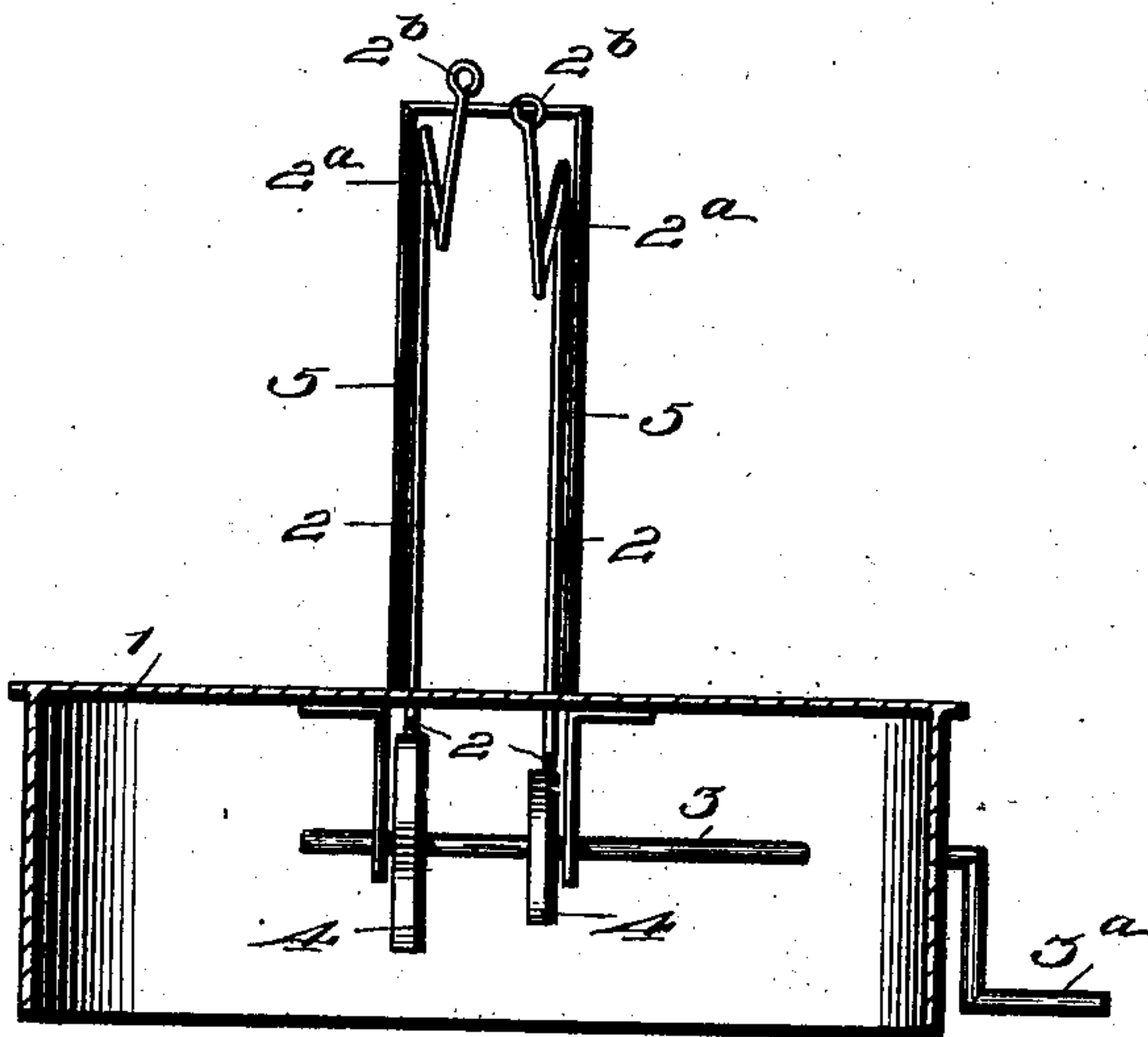
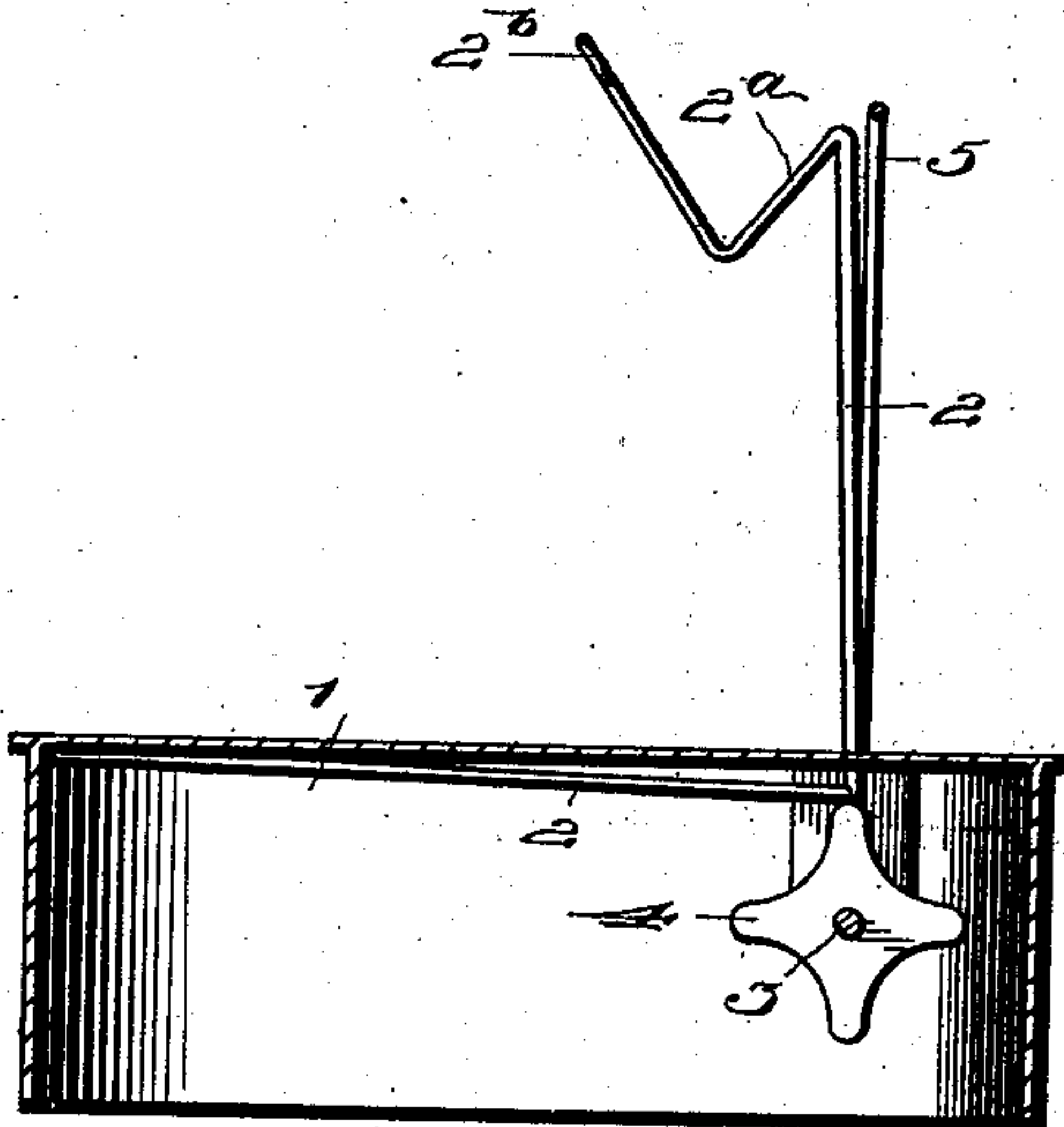


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

OSCAR C. WIESNER, OF KANSAS CITY, MISSOURI.

MECHANICAL TOY.

SPECIFICATION forming part of Letters Patent No. 702,515, dated June 17, 1902.

Application filed September 30, 1901. Serial No. 77,122. (No model.)

To all whom it may concern:

Be it known that I, OSCAR C. WIESNER, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Mechanical 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.

My invention relates to an improved toy representing in effigy preferably the figure of a man at muscular exercise—as, for instance, at a “punching-bag.” It affords an amusing and interesting toy for juveniles or children.

It consists of the combination, arrangement, and construction of parts substantially as hereinafter more fully disclosed, and pointed out by the claims.

In the accompanying drawings, illustrating the preferred embodiment of my invention, Figure 1 is a side view. Fig. 2 is a sectional view, and Fig. 3 is a sectional elevation at right angles to the plane of the section of Fig. 2.

Latitude is allowed herein as to details, as they may be changed or varied at will without departing from the spirit of my invention and the same yet remain intact and be protected.

In carrying out my invention I suitably provide a hollow base or platform 1, and in erecting or mounting thereon a figure or effigy, preferably of a man, which may be a Chinaman, a Jap, &c., pounding away at a punching-bag, I do this as follows: Two spring wire or metal pieces 2, bent into general right angular form, have principally their horizontal portions arranged within said base and their forward ends secured to the under side of the top of said base or platform and their vertical portions extending up through openings in said top, said horizontal portions being arranged in a downward-inclined position. Each vertical portion of said wires is bent or shaped into substantially the form of the letter V, as at 2^a, with the distant limb thereof somewhat elongated or extended and preferably terminated into an enlargement, as at 2^b, representing the arms and hands of

the figure and the arms as bent in the act of delivering a blow. Also hung in the base or platform 1 is a crank-shaft 3, with its housed or inclosed horizontal portion provided, preferably, with star-shaped or serially-pointed cams 4, adapted to engage the wires or metal pieces 2 at their depending angular portions or elbows, said shaft terminating at one end into a handle 3^a for the application thereto of any suitable motor or power. A preferably angular wire or frame 5, having its ends secured to or in the top of the base 1 is erected in vertical position upon said base with its upright portions standing in parallel lines with the vertical portions of the wires or metal pieces 2 and its horizontal portion arranged slightly above the upper ends of the vertical portions of said wires 2. Said frame or support 5, having placed thereon what may represent clothing or apparel, does “duty” as the body and the legs of the figure or effigy, while centrally upon the horizontal or top portion of said frame may be suitably secured a mask or head and face representation, which, together with the conventional representation of shoes and gloved hands, completes the figure or effigy, as will be seen. Suitably supported at the required altitude and in front of and beyond the figure is the punching-bag 6, in proximity to the gloved hands of the figure. Said punching-bag, which is preferably an inflated rubber receptacle, is suitably suspended by a string 6^a, secured thereto and preferably to a disk or plate 7, in turn secured to the overhanging or forwardly-extending end of an upper end curved or extended wire or support 8, whose lower end is suitably fixed to the base 1, preferably laterally, in any known way, as by soldering or otherwise.

In operation it will be observed that, power being applied to the handled shaft the points or projections of the cams carried upon said shaft will engage the arm-wires 2, this being effected alternately, and accordingly causing the gloved hands of the figure to alternately approach and recede from the punching-bag, as if in the act of pounding or punching the same. The vibrations produced by the action of the crank-shaft cams upon said arm-wires have the effect to jar the base, transmitting the jarring or vibratory motion to said

punching-bag as if struck by the hands of the figure, all being produced quite naturally, thus providing an amusing and interesting toy, &c.

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

1. A toy of the character described, comprising spring arm wires or pieces of substantially right-angular outline, having a V-shaped extension at one end and secured at the opposite end to a support, and a handled shaft provided with cams adapted to alternately engage said wires at their lower angles, substantially as set forth.

15 2. A toy of the character described, comprising spring arm wires or pieces secured at their lower ends and having bent extensions or branches, means adapted to alternately engage said wires, at their lower angles, and an overhanging support having suspended

therefrom a "punching-bag" arranged in proximity to said bent extensions, substantially as set forth.

3. A toy of the character described, comprising spring arm wires or pieces fixed at their lower forward ends, means adapted to alternately engage and vibrate said wires, at their rear angular portions, and an upright fixed frame, with its vertical portions arranged in parallel lines to the vertical portions of said arm-wires and its top connecting portion arranged slightly above the upper ends of said vertical portions of said arm-wires for supporting the head and garment of the figure, substantially as set forth.

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

OSCAR C. WIESNER.

Witnesses:

WILLIAM H. TAINTER,
BRUCE DUNCAN.