

No. 876,992.

PATENTED JAN. 21, 1908.

J. P. McGILL.
MECHANICAL TOY.
APPLICATION FILED FEB. 9, 1907.

Fig. 1.

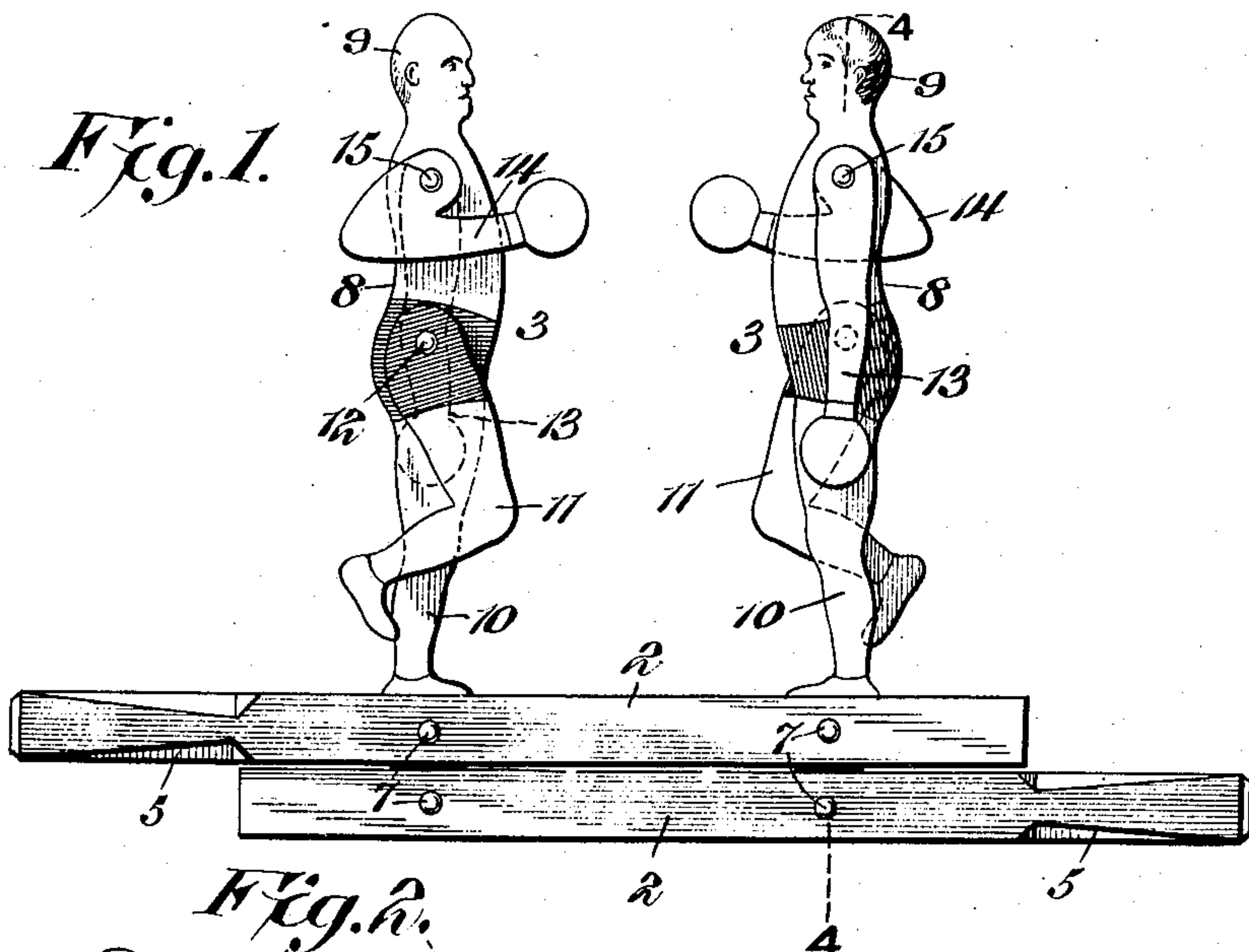


Fig. 2.

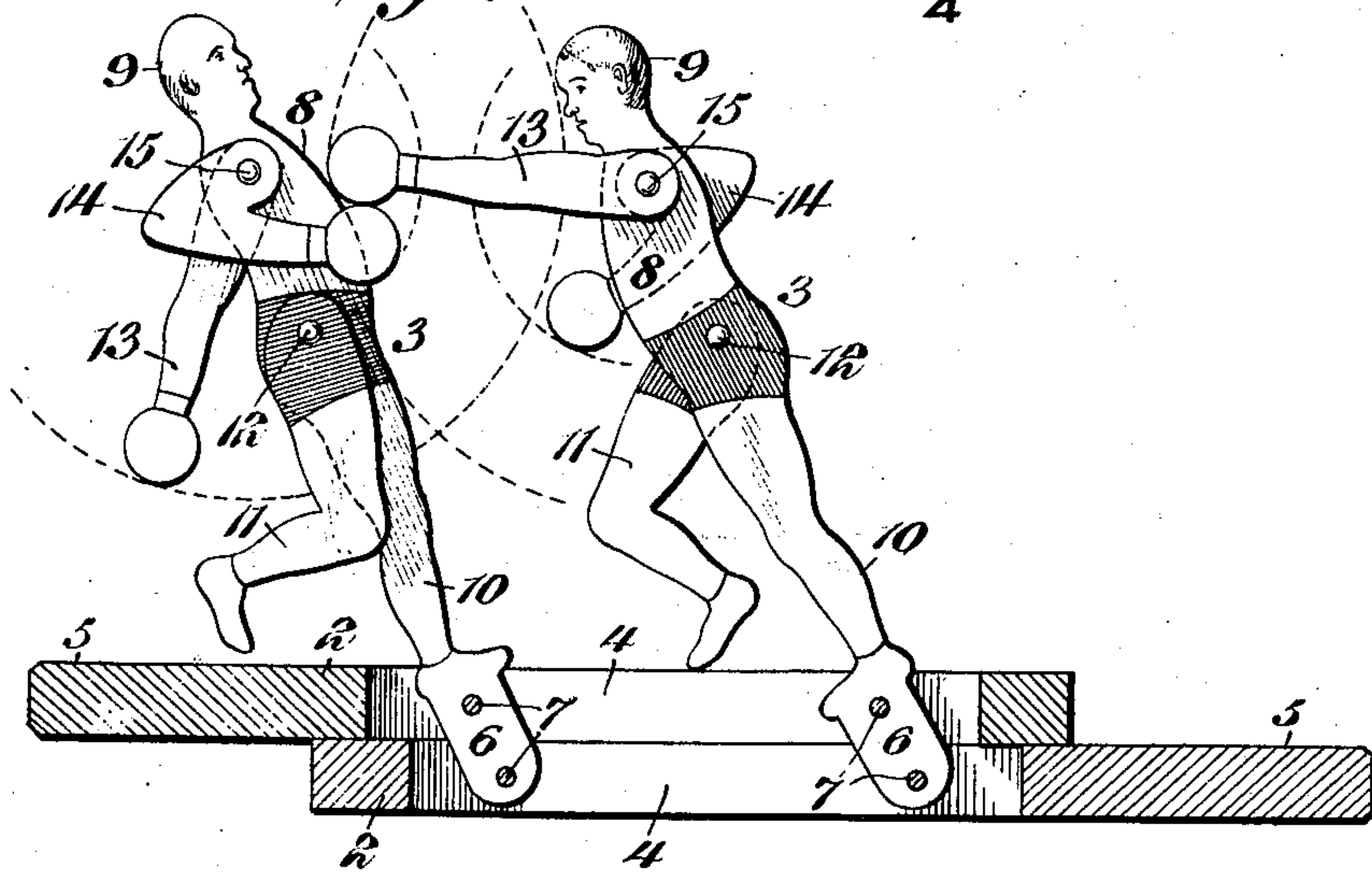


Fig. 3.

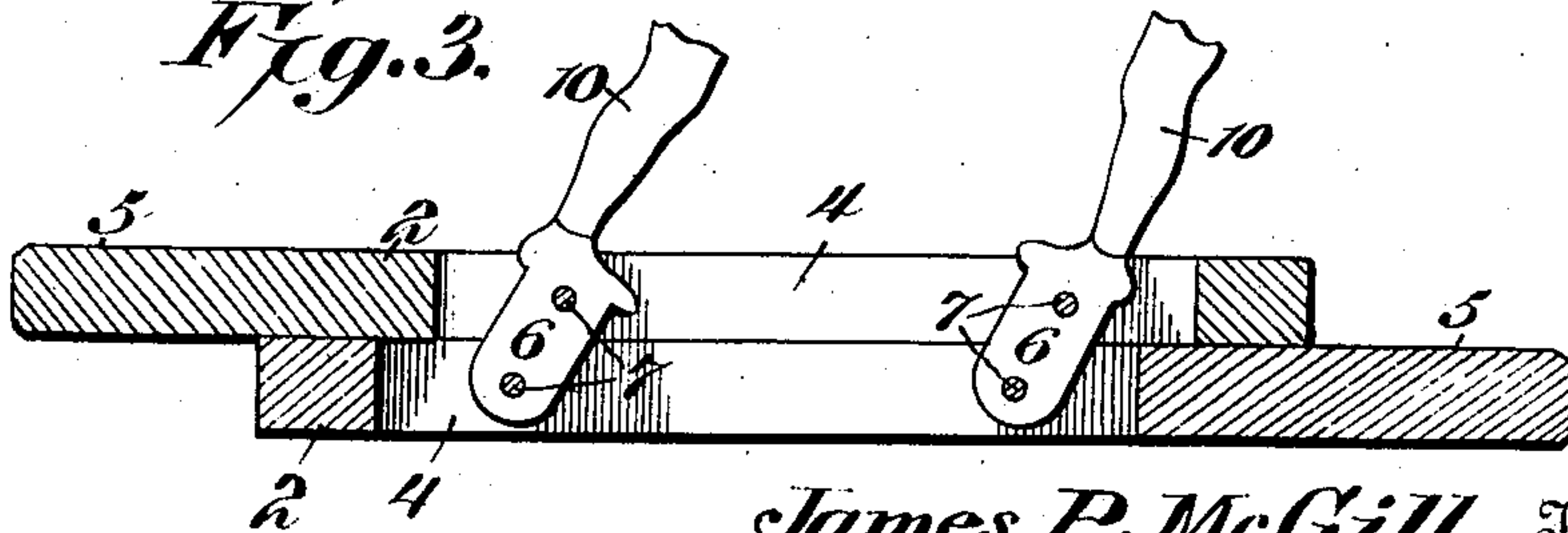
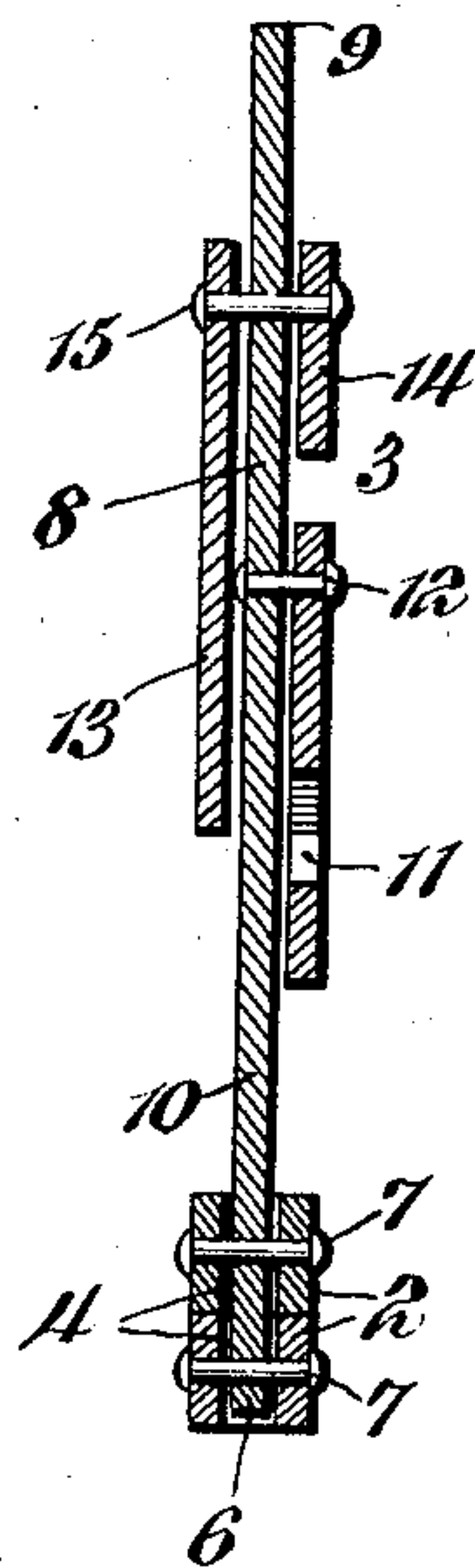


Fig. 4.



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UNITED STATES PATENT OFFICE.

JAMES PALMER MCGILL, OF CHICAGO, ILLINOIS.

MECHANICAL TOY.

No. 876,992.

Specification of Letters Patent.

Patented Jan. 21, 1908.

Application filed February 9, 1907. Serial No. 356,596.

To all whom it may concern:

Be it known that I, JAMES PALMER MCGILL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Mechanical Toy, of which the following is a specification.

My invention relates to an improvement in mechanical toys; and has for one of its objects to provide a device of this character in which movable figures are adapted to imitate the various movements of prize-fighters in action.

A further object of the invention is to provide a toy of simple construction, easy of manipulation, and highly amusing in operation.

In the drawings—Figure 1 is a front elevation of the toy showing the figures in an upright or normal position. Fig. 2 is a sectional view showing a blow being delivered by one of the figures, the latter being illustrated at the end of the limited movement of the figures. Fig. 3 is a sectional detail view showing the opposite limited movement of the figures. Fig. 4 is a sectional view of the toy taken on the line 4—4 of Fig. 1.

Similar reference numerals designate corresponding parts in all the figures of the drawing.

In referring to the drawings, it will be noted that the invention provides a support consisting of two corresponding superimposed members 2—2 for the mechanical figures 3—3. Each member of the support is provided with a longitudinal slot 4—4, and has a finger-grip 5—5 at the opposite outer ends of each member. The two supporting members 2—2 are connected to each other by means of links 6—6, the ends of which are pivotally mounted in the longitudinal slots 4—4 by means of the pins or bearings 7—7. These links are of sufficient length to permit a limited longitudinal movement in either direction of one or both of said supporting-members.

Each of the two figures 3—3 consists of a trunk or body portion 8—8, having a head 9—9 and one leg 10—10 integral therewith; said leg being straight and rigidly connected to or formed integral with the link 6—6. The other leg 11—11 of each figure is bent and pivotally connected to the body by means of the pivots 12—12, which permit of a ready swinging movement of said leg. Each of the figures 3—3 is also provided with two arms,

the left or striking arm 13—13 being straight and rigid the entire length, and the right or guard-arm 14—14 being rigid throughout but bent at the elbow to assume the correct position for guarding. The arms 13 and 14 are pivotally connected to the body portion of the figures by means of a common pivot or bearing 15—15.

The figures are spaced sufficiently apart to allow perfect freedom during the various exchanges and blocking of blows.

When either or both of the supporting members 2—2 are moved or shifted longitudinally of each other by force exerted on the finger-grips, the links 5—5 will be caused to assume a certain angle relative to the support, and the figures 3—3 being rigidly secured to or connected with the links, will necessarily assume the same angle as the links. It will therefore be seen that a parallel movement will be given the figures 3—3, i. e., a simultaneous backward and forward motion will be given the figures respectively, which will simulate the actual movements used by pugilists. This feature is clearly shown in Fig. 2 of the drawings. The angle of inclination of the figures is limited by the length of the links 5—5.

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

1. In a toy, the combination with two relatively movable members having longitudinal slots, of links mounted in the slots and connecting the two members, and figures mounted on the links and adapted to be given a respective backward and forward movement by the shifting of the members.

2. In a toy, the combination with two relatively movable superimposed members having longitudinal slots, of links pivotally mounted in the slots and connecting the members, figures mounted on the links, and a hand-grip oppositely located on each member and extending beyond the end of the other member and adapted to impart a simultaneous backward and forward movement to the members and a corresponding movement to the figures.

3. In a toy, the combination with two corresponding superimposed supporting members, of links pivotally connected thereto so as to cause the members to move in unison when shifted, figures each having a rigid leg connected to one of the links, the other leg being pivoted and free, and arms connected

to the figures, said arms being pivoted so as to be moved by the movement of the figures.

4. The combination of two corresponding superimposed supporting members, with
5 links pivotally connecting the members so as to cause them to move in unison when shifted, two figures each having one leg rigid with the body and connected to the members, and the
10 other leg pivoted at the hip only and disconnected from the said members, and arms pivoted to the figures, said arms being pivoted so as to be moved solely by the movement of the said figures.

5. In a toy, the combination with two cor-
15 responding movable figures, each having one leg rigid with the body and one leg movable

and pivoted at the hip and free at the bottom, and two pivoted arms, one bent and one straight, of means connected solely to the rigid legs of each figure to impart thereto a
20 parallel movement back and forth, thereby causing the movement of the free leg and the free arms to partake of the shifting movement of the figures.

In testimony, that I claim the foregoing as
25 my own, I have hereto affixed my signature in the presence of two witnesses.

JAMES PALMER MCGILL.

Witnesses:

JAMES ADAMS,

WILLIAM SCANLAN.