

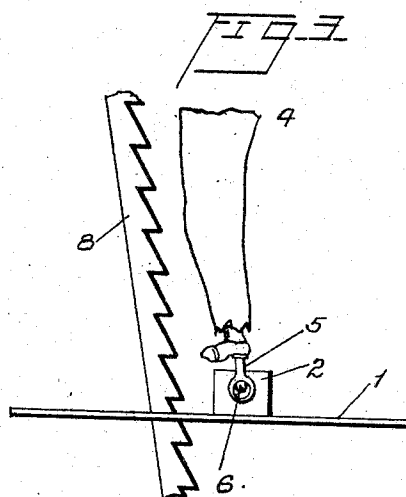
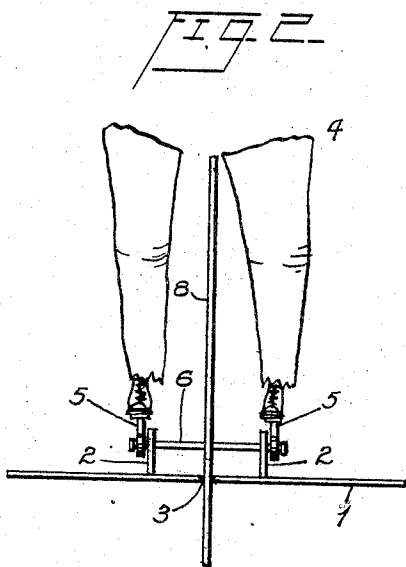
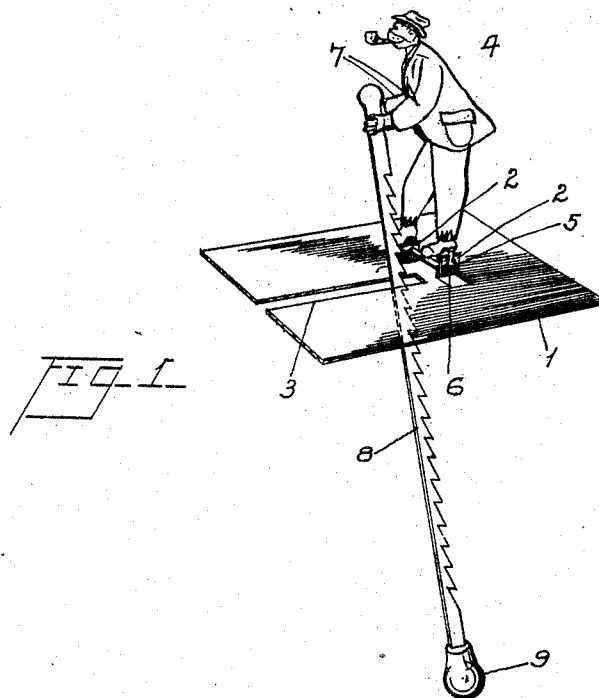
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TOY.

APPLICATION FILED MAY 28, 1908.

947,035.

Patented Jan. 18, 1910.



WITNESSES

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TOY.

947,035.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH CRANE, a citizen of the United States, and a resident of West Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Toys, of which the following is a specification.

This invention relates to that class of toys in which a figure is balanced and made to oscillate by a depending weight.

The objects of the invention are to provide a simple and inexpensive construction; to provide means whereby the figure is easily and effectually guided when in motion, so as to obviate any twisting which would retard its movement, and to obtain other advantages and results as may be brought out in the following description.

Referring to the accompanying drawings, in which like numerals of reference indicate the same parts in the several figures, Figure 1 is a perspective view of my improved toy; Fig. 2 is a front view of the lower portion of the device illustrating certain connecting and guiding means, and Fig. 3 is a side elevation of the same.

In said drawings, 1 indicates the stand or base of my improved toy, which is struck from thin sheet metal, and provided at its upper side with two ears or lugs 2, 2, preferably stamped out of the base piece and bent up at right angles thereto. The said base plate 1 is also slotted from one edge, as at 3, on a line mid-way between the two ears or lugs 2, 2, and perpendicular to a line connecting them. This slot 3 preferably extends to the said ears or lugs, or line joining them, as shown in Fig. 1. Upon the said base-plate 1 is mounted the balanced figure 4, which may be of any suitable or amusing form, and is preferably formed from sheet metal or otherwise constructed in any manner well-known to the art. The feet of this figure 4 terminate in ring eyes 5, 5 which lie on the outer sides of the ears or lugs 2, 2, and parallel therewith, as shown in Fig. 2. A pin 6, which provides a pivotal bar, is then passed through the said ring eyes and ears, being suitably headed or otherwise prevented from withdrawal.

From the extended arms 7 of the toy figure 4, a rod 8 fixed thereto at its upper end extends downward through the slot 3, and

carries at its lower end the counterbalancing weight 9. The position of this weight, it will be understood, is so determined by the inclination of the rod 8 that the figure 4 balanced thereby is held in appropriate upright position by gravity. Preferably the edge of the rod or bar 8 next to the figure 4 is serrated or toothed to represent a saw, and since the said rod or bar is located in the slot 3 the entire toy presents the appearance of a man sawing through a plank.

It will be noted that the ring eyes 5 which receive the pivotal pin 6 are larger in their inner diameters than the said pin, and also that the ring eyes 5 do not fit tight against the outer sides of the ears or lugs 2, but considerable clearance is allowed. The objects of this are to obviate all possible friction and to insure a longer swinging of the figure. However, owing to the great amount of clearance allowed and to vibration when the figure 4 is set in motion, the figure may twist or turn and thus cause undue friction and retard the duration of its oscillation or travel. To prevent this, the bar or rod 8 passes through the said slot 3, as hereinbefore described, and holds the balanced figure against any vibrations or twisting movements in operation of the toy. A very even and regular movement is thus secured in the toy, and its operation or rocking of the figure is of longer duration.

Obviously various detail modifications and changes could be made from the construction specifically shown and described, without departing from the spirit and scope of the invention, as for instance the ears may be separate pieces soldered to the base or short pivoting pins may be riveted or soldered to the outer side of the ears. I do not wish therefore to be understood as limiting myself by any positive descriptive terms herein employed except as the state of the art may require.

Having thus described the invention, what I claim as new is:

In a toy of the character described, the combination of a base plate having a slot closed at one end and upwardly projecting perforated ears adjacent to the end of said slot on opposite sides of the line of said slot extended, a figure having at its lower end separated ring eyes with openings larger

than the perforations of said ears and in
alinement therewith, a pin through said
ring eyes and ears, a bar extending from an
offset at the upper part of said figure down
5 through said slot at a distance from the
point of pivoting of the figure, whereby the
swinging of said figure is confined to the

plane of the slot, and a counterbalance
weight on the lower end of said bar.

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In the presence of—

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