No. 731,299. PATENTED JUNE 16, 1903.

O. F. HALE.

TOY.

APPLICATION FILED MAR. 26, 1903.

NO MODEL.

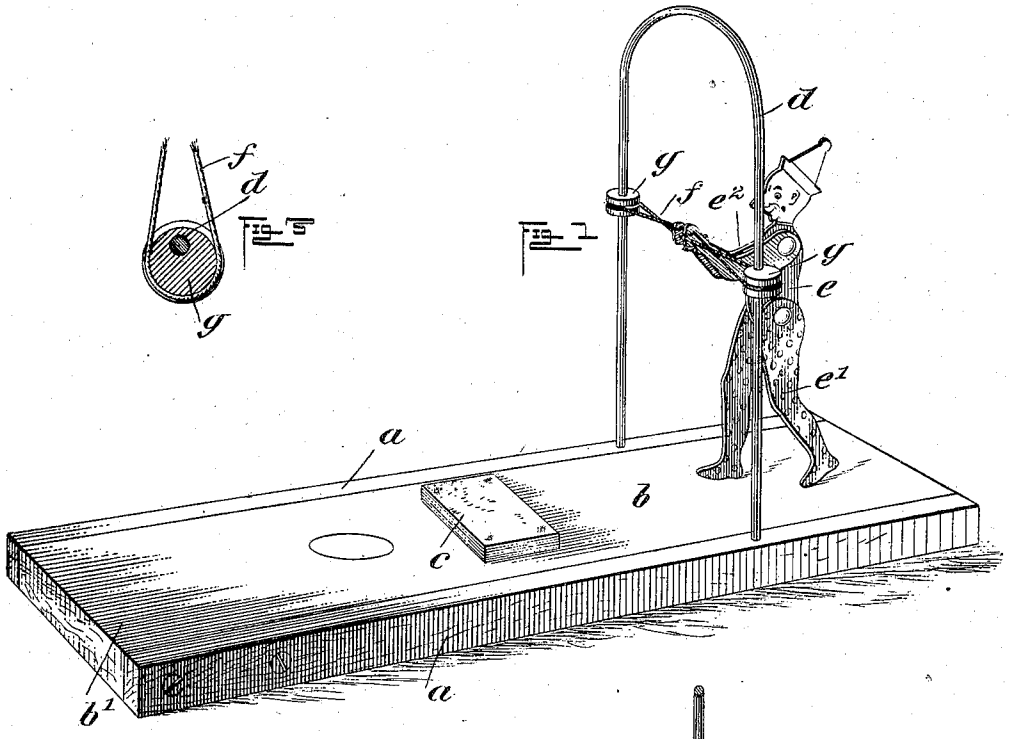


Fig. 5

Fig. 1

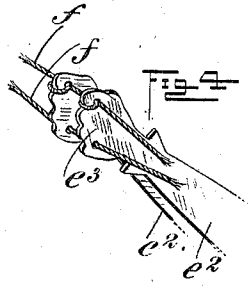


Fig. 3

Fig. 2

WITNESSES:

Geo. C. Schmeyer

Isaac B. Owens.

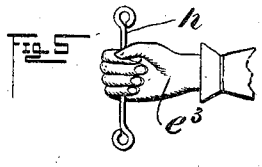


Fig. 5

INVENTOR

Oscar F. Hale

BY

Munn & Co

ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 731,299. Patented June 16, 1903.

UNITED STATES PATENT OFFICE.

OSCAR F. HALE, OF POCAHONTAS, IOWA, ASSIGNOR TO HIMSELF AND LEWIS E. STREATER, OF POCAHONTAS, IOWA.

TOY.

SPECIFICATION forming part of Letters Patent No. 731,299, dated June 16, 1903.

Application filed March 26, 1903. Serial No. 149,673. (No model.)

To all whom it may concern:

Be it known that I, OSCAR F. HALE, a citizen of the United States, and a resident of Pocahontas, in the county of Pocahontas and State of Iowa, have invented a new and Improved Toy, of which the following is a full, clear, and exact description.

This invention relates to a toy of that class in which a jointed figure is suspended so that by operating the toy the figure may be made to perform movements resembling the antics and dance of a clown or other performer.

The present invention resides in a novel manner of sustaining the clown in upright position and in the peculiar arrangement of these parts in connection with a spring-board on which the clown stands and which is vibrated to produce the desired movements of the clown.

This specification is an exact description of two examples of my invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the invention. Fig. 2 is a longitudinal section showing the clown in elevation. Fig. 3 is an elevation of one of the eccentric holders for the supporting twine or cord. Fig. 4 is a detail perspective view showing the manner of engaging the arms with the twine or cord, and Fig. 5 is a view illustrating a slight modification for effecting the engagement shown in Fig. 4.

Referring to Figs. 1 to 4, the device comprises a base formed of rigid side rails a, between which at one end is secured the rigid part b' of the spring-board b. This spring-board is preferably provided with a pad c on its upper surface, which is employed to deaden the sound of the blows or taps struck thereon, as will be hereinafter fully explained. From the rigid side portions a of the base an arch d projects upward, said arch being formed of spring material for a purpose which will hereinafter appear. The clown or other figure, as here illustrated, comprises a trunk e, jointed legs e', and jointed arms e^2. The arms e^2 are formed with enlarged extremities e^3, simulating the hands of the clown, and said extremities are engaged at several different points with two runs f of the supporting-cord. In order to keep the arms e^2 spaced apart, one of the runs of said cord is turned or lapped around the hands e^3, as shown best in Fig. 4. Said cord f is connected at its ends, so as to form an endless connection, and this is passed around eccentric holders g, said holders being mounted to turn around the respective sides of the arch d and being friction-tight thereon, so that they may be adjusted to any elevation desired.

In the use of the invention the parts are adjusted as in Fig. 2, so that the two runs of the cord f stand vertically one over the other at the points of contact with the hands, making a one-quarter twist in the cord, after which the holders g are turned outward from the sides of the arch d, so as to exert the necessary tension on the cord. The cord thus strained will tend to untwist itself, and the parts should be so disposed that this untwisting tendency will be exerted on the clown, thus supporting the clown in the position shown in Fig. 2 with a yielding or springing effect. By striking the spring-board b with one hand or with any desired instrument the vibrations of the board will be imparted to the clown and the figure will be given rapid and complicated movements closely resembling the movements of an athlete or dancer. By striking the board in a certain musical time—for example, in the time of jig-dance music—the figure will be caused closely to simulate the dance music. The pad c is provided to deaden the noise of the blows if they be struck with a tool, and, if desired, a sort of hammer may be provided, having a rubber head, which will impart additional resiliency to the spring-board.

The modification shown in Fig. 5 consists in the application of vertically-extending bars h to the hands e^3 of the figure, these bars having eyes in their ends to engage the runs in the cord f. This construction enables the hand of the figure to be constructed in a form more nearly approaching the natural human hand than that shown in Fig. 4. The spring sides of the arch d give and take under the action of the eccentric holders g and

maintain at all times the necessary tension on the cord *f*.

Various changes in the form, proportions, and minor details of my invention may be resorted to at will without departing from the spirit and scope thereof. Hence I consider myself entitled to all such variations as may lie within the intent of my claims.

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

1. A toy, comprising a figure having arms and legs, means engaged with the arms for yieldingly holding the toy in upright position, and a vibratory member coacting with the legs of the figure, said means for holding the toy in upright position comprising a cord under tension and having two runs engaged with the hands of the figure at different points.

2. A toy, comprising a figure, and a yielding or resilient support therefor, comprising a cord under tension and having two runs engaged with the figure at different points.

3. A toy, comprising a figure, a yielding or resilient support therefor, comprising a cord under tension and having two runs engaged with the figure at different points, and a vibratory member coacting with the figure.

4. A toy, comprising a supporting member, eccentric holders adjustably mounted thereon, an endless cord passed over said holders, and a figure supported from the cord.

5. A toy, comprising a supporting member, eccentric holders adjustably mounted thereon, an endless cord passed over said holders, a figure supported from the cord, and a vibratory member coacting with the figure.

6. A toy, comprising a supporting member, eccentric holders adjustably mounted thereon, an endless cord passed over said holders, a figure having jointed legs and arms, the arms being engaged with two runs of the cord at different points, and a vibratory member coacting with the legs of the figure.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

OSCAR F. HALE.

Witnesses:
L. E. STREATER,
C. S. FERGUSON.