No. 732,056. PATENTED JUNE 30, 1903.

J. A. DOYLE.

TOY.

APPLICATION FILED APR. 16, 1902.

NO MODEL.

Fig. 1.

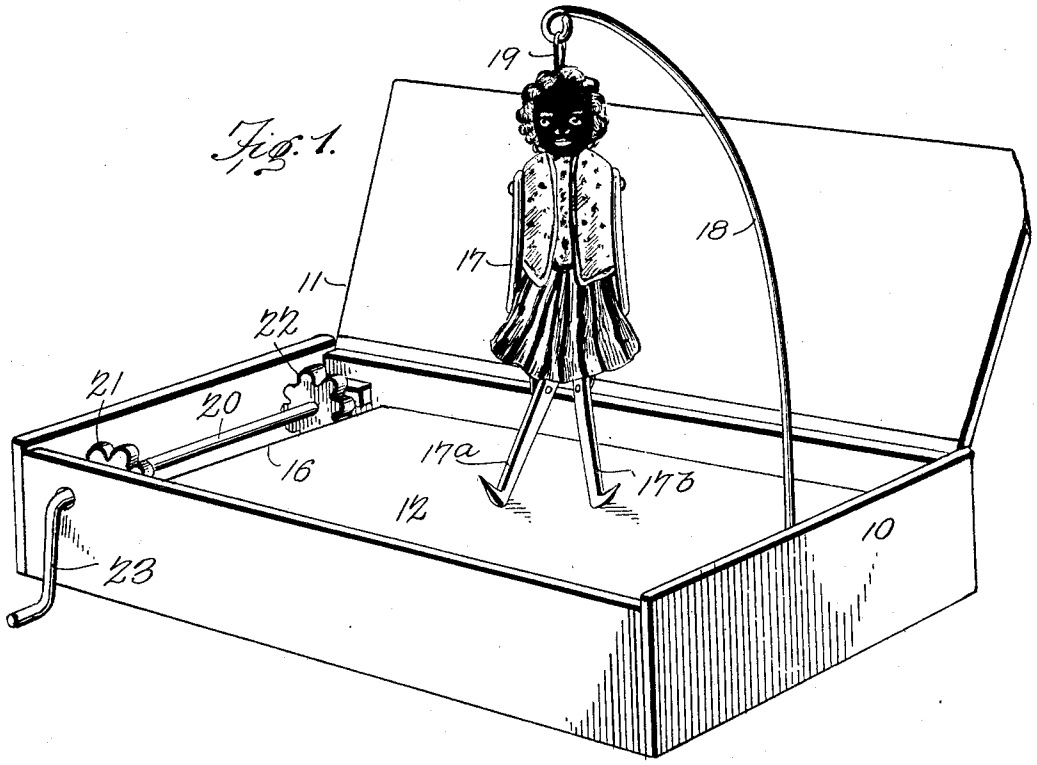
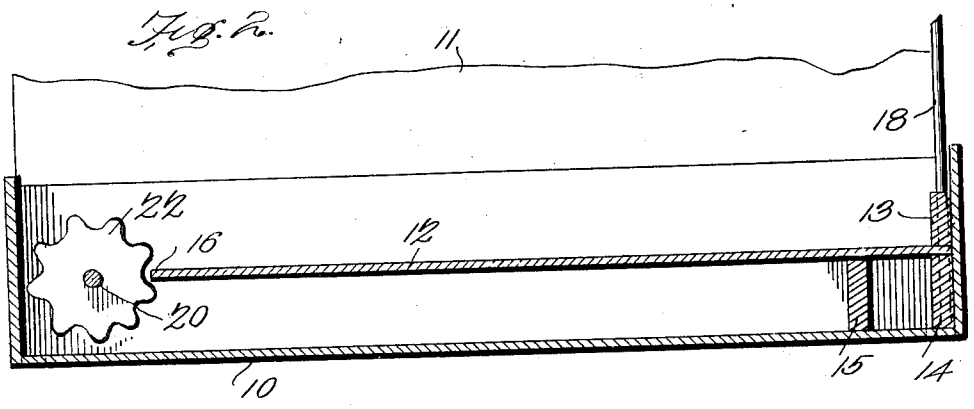


Fig. 2.



Witnesses
E. C. Stewart
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by Cashow & Co
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 732,056. Patented June 30, 1903.

UNITED STATES PATENT OFFICE.

JOHN A. DOYLE, OF ERIE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO CHARLES W. NICK, OF ERIE, PENNSYLVANIA.

TOY.

SPECIFICATION forming part of Letters Patent No. 732,056, dated June 30, 1903.

Application filed April 16, 1902. Serial No. 103,222. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. DOYLE, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented a new and useful Toy, of which the following is a specification.

This invention relates to dancing toys; and it consists in certain novel features of the construction, as hereinafter shown and described, and specifically pointed out in the claim.

In the drawings illustrative of the invention, Figure 1 is a perspective view of the device. Fig. 2 is a longitudinal sectional view of the lower part of the device.

The device comprises an inclosing casing 10, having a cover 11, so that the figure may when folded down be inclosed in the casing. Within the casing 10 is a spring-platform 12, the latter supported at one end between transverse bars 13 14 and further sustained by a transverse bar 15 in advance of the bars 13 and 14, leaving the end 16 free or unsustained. The figure is represented at 17, having loosely-hanging members 17^a 17^b representing the legs, the figure being suspended from a supporting-arm 18 by an elastic connection 19, so that the figure will freely move vertically when agitated by the vibrations of the spring-board 12. The arm 18 is supported removably in the bar 13, so that it may be withdrawn and the figure placed in a recumbent position in the casing between the floor 12 and the cover 11 when not in use or when being shipped.

Across the end of the casing adjacent to the vibrating end 16 of the spring-board a shaft 20 is supported and provided with toothed disks 21 22, which are adapted to engage the end 16 of the board 12 and rapidly vibrate it when the shaft is revolved by a crank 23. The tooth-disks 21 22 will preferably be of some yieldable material, such as rubber, so that the sound will be deadened. The resiliency of the material of which these toothed disks are composed will also assist in imparting to the spring-board the rapid vibratory movement which is essential to the successful operation of the device.

The members 17^a 17^b will be loosely jointed to permit them to freely swing and bend and toss about in imitation of dancing when acted upon by the rapidly-vibrating floor 12, while at the same time the elastic connection 19 will cause the body of the figure to move vertically and oscillate and sway about from side to side and produce a very lifelike imitation of a jig-dance. A special advantage is also secured by suspending the spring-plate 12 rigidly at one end and actuating it from the other or free end, as the vibrations are thereby of greater uniformity and produce a more lifelike effect than when the actuating means is applied near the point of suspension of the plate, as heretofore.

Any form of figure may be suspended from the rod 18 and clothed in any fanciful manner and of any size or in any desired proportions. The proportions and form may be altered and modifications made in minor details without departing from the principle or sacrificing any of the advantages of the invention.

The device may be arranged to be operated automatically by a spring or other power.

The device can be employed for advertising and other purposes in show-windows, upon vehicles, or in vending devices of different kinds or wherever such a device may be found desirable.

Having thus described my invention, what I claim is—

In a toy, a casing having a hinged lid, a vibratory plate supported at one end within said casing between the bottom and the upper edge thereof, a shaft journaled transversely in the casing, having a crank at its outer end, toothed disks of resilient material mounted upon said shaft in engagement with the free edge of the vibratory plate, a standard supported detachably at the fixed end of said vibratory plate, and a loosely-jointed figure suspended flexibly from said standard, said standard and figure being adapted to be packed within the casing between the vibratory plate and the lid thereof.

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

JOHN A. DOYLE.

Witnesses:
W. J. YOUNG,
M. GREINER.