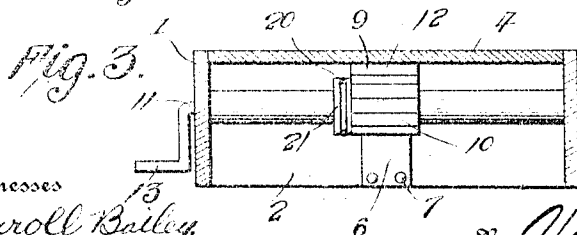
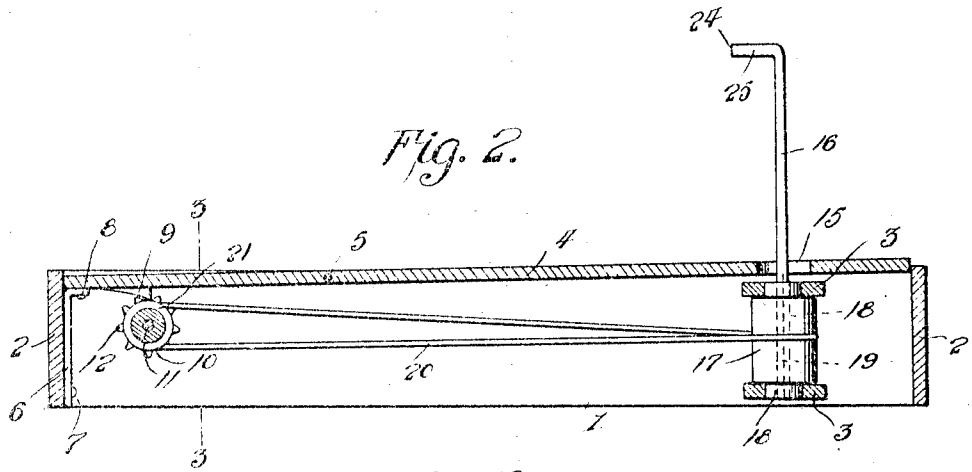
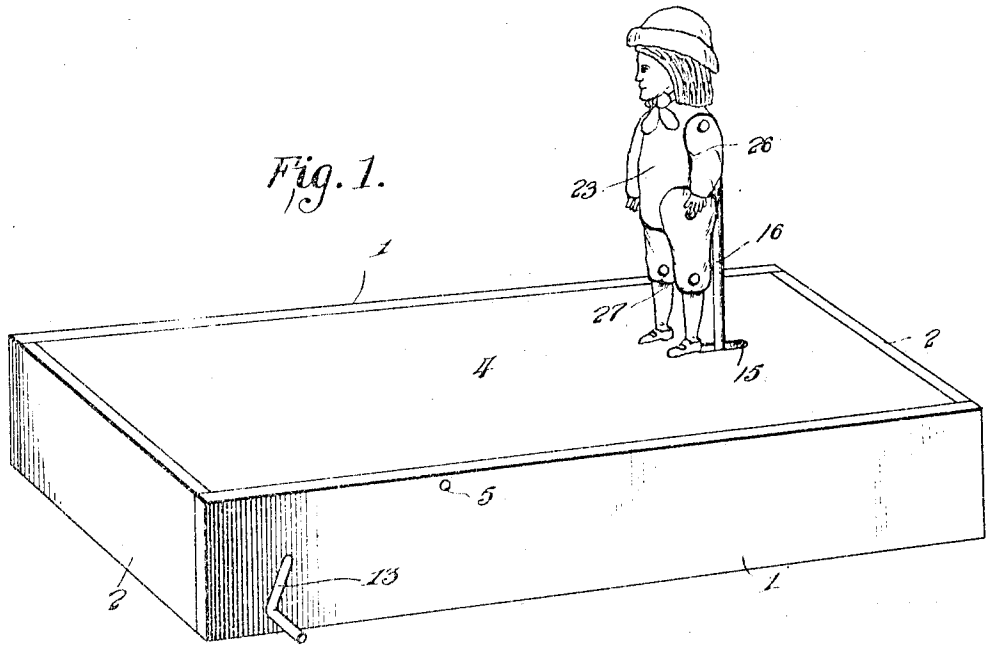


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TOY.

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1,048,397.

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Witnesses

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH EARL, a subject of the King of Great Britain, residing at Stanstead, in the district of St. Francis and Province of Quebec, Canada, have invented new and useful Improvements in Toys, of which the following is a specification.

This invention relates to toys and has for an object to provide an amusing device of this character which will include a dancing figure and means for imparting life like movements to the figure when the toy is operated.

In the drawing forming a portion of this application and in which like letters of reference indicate similar parts in the several views:—Figure 1 is a perspective view of the toy. Fig. 2 is a longitudinal section therethrough. Fig. 3 is a section on line 3—3 of Fig. 2.

The toy comprises a suitable supporting structure which includes a bottomless member having the parallel walls 1 and the connecting end walls 2 which are braced intermediate of their ends by the spaced bars 3. A vibrating platform 4 closes the upper end of the supporting structure and at 5 the platform is pivoted to the parallel walls 1. A springy device 6 is secured at 7 to the supporting structure and at 8 the device is secured to the platform whereby under the inherent elasticity of the device the beveled surface 9 upon the underside of the platform, and preferably at one end thereof is yieldingly held engaged against the tappet wheel 10. This tappet wheel is secured upon the operating shaft 11 and when the latter is revolved the sweeping of the surfaces 12 of the wheel against the surface 9 of the platform will impart to the latter vibratory movements. The shaft 11 is journaled in the side walls 1 and at one end the shaft has connected thereto a crank handle 13 which may be manually or otherwise suitably operated.

At the opposite end the platform 4 is provided with an elongated passage 15 through which the supporting post 16 extends. A pulley 17 has portions 18 revolvably journaled in the bars 3. This pulley has a socket 18 therein into which the squared end 19 of the supporting posts is fitted, whereby the

post will be revolved simultaneously with the pulley. This pulley is connected by the bell 20 to a similar pulley 21 upon the driving shaft 11.

A figure 23 which may represent an animal or a human being is disposed above the platform and apertured at 24 to receive the horizontal portion 25 of the post. The figure is provided with jointed arms 26 and jointed limbs 27, which latter are disposed in contacting proximity with the platform 4.

Now that the structural details of the apparatus are clearly understood it is said that the shaft 11 is operated to impart the required vibratory movements to the platform 4. The platform is then made to contact with the feet of the jointed figure and amusing life like dancing movements will be imparted to the figure. It is stated that the figure supporting post is connected with the driven pulley so as to be revolved thereby, consequently during the time of imparting to the figure life like dancing motions the figure will be revolved. It is found that by revolving the figure in the manner described numerous changes in the dancing steps are made which admirably lends amusement to the toy.

I claim:—

A toy comprising a vibratory platform, a bottomless supporting structure for the platform, the said structure including parallel side walls and connecting end walls, the said platform being pivoted at a point beyond its center to the opposite parallel walls of the structure, the said platform having a longitudinally extending slot therein, a vertically disposed revoluble element disposed beneath the platform and provided with a vertical socket of rectangular configuration in cross section which is arranged in line with the slot in the platform, a supporting post having a squared lower end fitting in said socket and having a portion extending through the slot in the platform and then extended above the plane of the platform and provided with a horizontal portion, a figure supported by the said horizontal portion of the post, actuating means operatively connected with the said revoluble element and provided with an annular series of teeth, the said platform having a beveled surface disposed above the said actuating

element, and yieldable means connecting one end of the platform with one of the end connecting members of the supporting structure, whereby to hold the beveled surface of the platform yieldingly engaged against the toothed surface of the actuating element, whereby vibratory movements will be imparted to the platform when the actuating

element is influenced to control the revoluble element.

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

JOSEPH EARL.

Witnesses:

ALFRED R. THOMAS,
CHAS. M. THOMAS.