

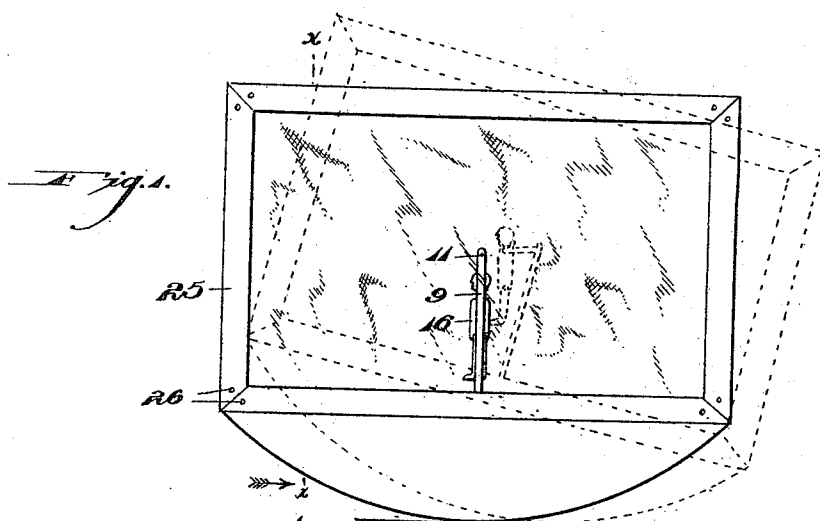
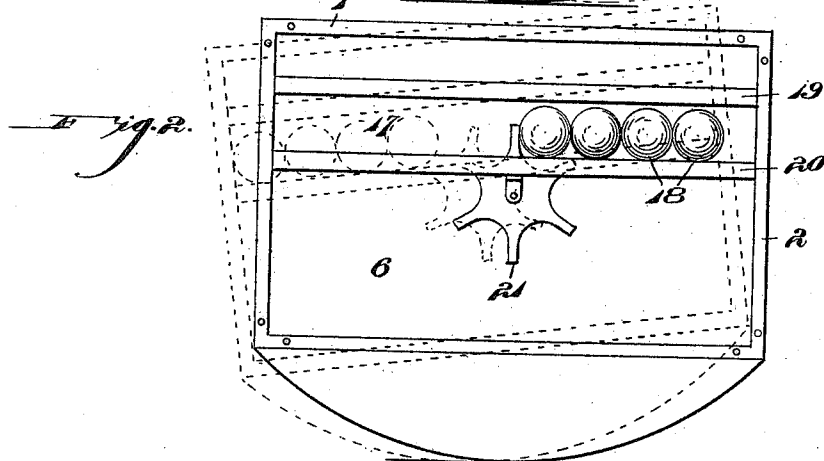
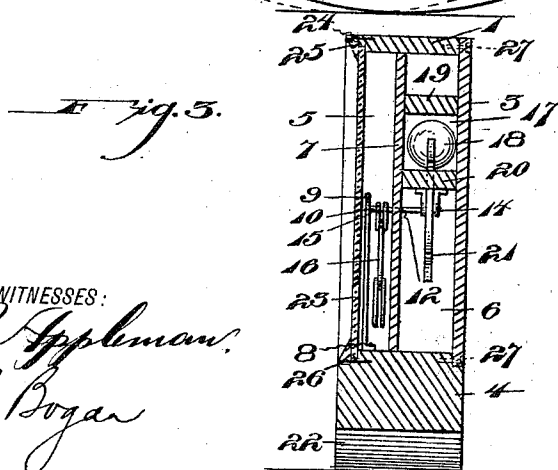
No. 617,209.

Patented Jan. 3, 1899.

W. W. WATT.
TOY.

(Application filed Sept. 28, 1898.)

(No Model.)



WITNESSES:
J. P. Appleman,
N. L. Bogar

INVENTOR
W. W. Watt.

BY
H. C. Everett & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM WALTER WATT, OF LEECHBURG, PENNSYLVANIA.

TOY.

SPECIFICATION forming part of Letters Patent No. 617,209, dated January 3, 1899.

Application filed September 28, 1898. Serial No. 692,070. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM WALTER WATT, a citizen of the United States of America, residing at Leechburg, in the county of Armstrong and State of Pennsylvania, have invented certain new and useful Improvements in Toys, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in toys.

The object of my invention is to provide a device of this character which will be simple and inexpensive and exceedingly interesting and amusing during its operation.

A further object of my invention is to provide a device of this character with means whereby the tilting thereof will cause a jack to perform a number of amusing evolutions.

Briefly described, my invention consists of a suitable box or casing divided into a front and rear compartment, a jack operating in one of said compartments, and the operating means therefor in the other.

My invention finally consists in the novel combination and arrangement of parts hereinafter more fully and specifically described, and particularly pointed out in the claims hereunto appended.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, wherein like numerals of reference indicate corresponding parts throughout the several views thereof, in which—

Figure 1 is a front view of my improved toy, showing the front compartment with the jack mounted therein and also showing in dotted lines the position of the same when tilted. Fig. 2 is a rear view of my improved toy, showing the rear compartment carrying the operating means in a suitable runway for the jack and also showing the position of the same in dotted lines when the box or casing is tilted. Fig. 3 is a vertical sectional view of my improved toy.

Referring to the drawings by reference-numerals, 1 indicates the top, 2 the sides, 3 the back, and 4 the bottom, of a box or casing which is constructed of any suitable material and, as shown, preferably oblong in outline.

I divide the box or casing into a front compartment 5 and rear compartment 6 by means of the partition 7, which is suitably secured therein, and I secure in the front compartment, as at 8, the upright or support 9 for the shaft 10. The shaft 10 is journaled in the upright or support 9, as at 11, the partition 7, as at 12, and the keeper or support 14, which is secured on the underneath face of the lower partition 20, which is secured in the rear compartment 6.

I rigidly secure to the shaft 10, as at 15, the jack 16, which is constructed of a series of portions pivotally secured together and is the same as the ordinary device of this character.

A runway 17 for the operating-balls 18 is formed in the rear compartment 6 by means of the horizontally-extending partitions 19 and 20, which are suitably secured therein and also suitably spaced apart. The lower partition 20 is formed with a cut-away portion at its center, forming a suitable slot to allow the operation therein of the forked wheel 21. The forked wheel 21 is rigidly secured to the shaft 10 and is operated by means of the balls 18, which are made of any suitable metallic material and which come in contact with one of the forks of the wheel, as shown in Figs. 2 and 3.

For tilting the box or casing and thereby causing the balls 18 to move freely through the runway I construct the outer edge of the bottom 4 concaved, as shown at 22, which will give a tilting or rocking motion to the box or casing and bring the balls into contact with the forked wheel, thereby operating the same, causing the shaft 10, with the jack, to revolve and at the same time make the jack perform a series of amusing evolutions.

23 indicates a glass cover for the front compartment and is secured against the shoulders 24 by means of the oblong frame 25, which is suitably secured to the top and bottom portions of the box or casing, as at 26. The back portion 3 is secured in position by any suitable means, as at 27.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

Having thus fully described my invention,

what I claim as new, and desire to secure by Letters Patent, is—

5 1. In a toy the combination of a box or casing having its bottom of convexed form and divided into two compartments, a shaft carrying a jack operating therein, and means operating in one of said compartments for operating said shaft when the box or casing is tilted, substantially as shown and described.

10 2. In a toy the combination of a box or casing divided into a front and rear compartment and having its bottom of convexed form, a shaft operating therein, a jack carried by said shaft and operating in the front com-
15 partment, a forked wheel secured to said shaft and operating in said rear compart-

ment, and means for operating said shaft when said box is tilted arranged in said rear compartment, substantially as shown and described.

20 3. In a toy the combination of a box or casing, a shaft operating therein carrying a jack and a forked wheel, and a runway having means operating therein to operate said shaft when the box is tilted, substantially as shown
25 and described.

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

WILLIAM WALTER WATT.

Witnesses:

CALVIN H. MILLER,
H. E. SHIRLEY.