

W. R. ZIMMERMAN.

TOY.

APPLICATION FILED MAR. 29, 1920.

1,359,778.

Patented Nov. 23, 1920.

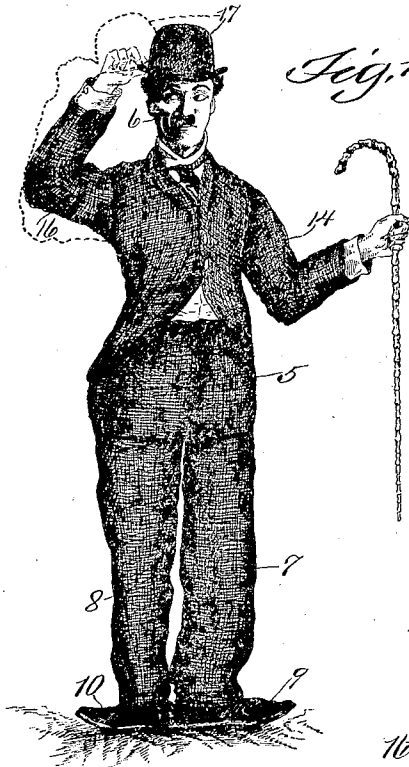


Fig. 1.

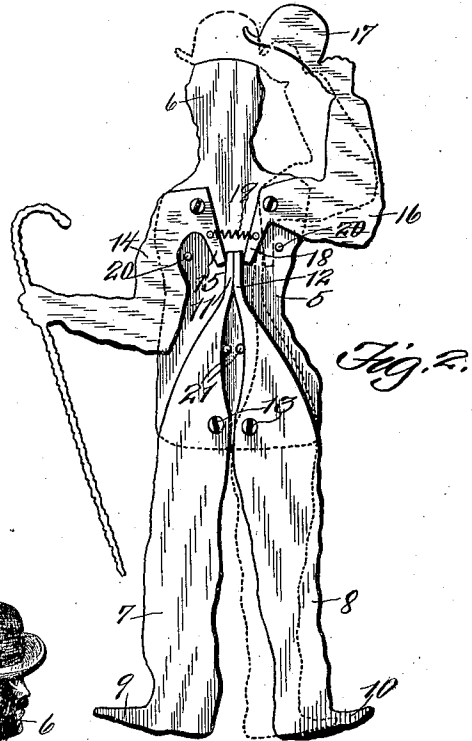


Fig. 2.

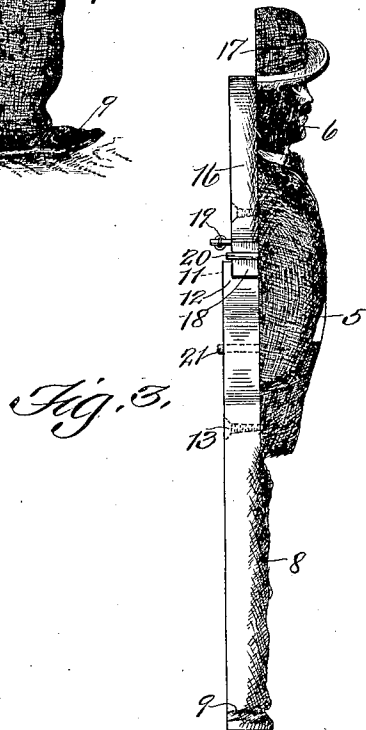


Fig. 3.

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TOY.

1,359,778.

Specification of Letters Patent.

Patented Nov. 23, 1920.

Application filed March 29, 1920. Serial No. 369,668.

To all whom it may concern:

Be it known that I, WARREN R. ZIMMERMAN, a citizen of the United States, residing at Joplin, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Toys, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to toys and particularly to a mechanical toy which imitates movements of the body, and has for its object to provide a toy of this character whereby movement of one or both of the legs of the body will cause movement of the arms.

Another object is to provide a toy of this character including pivoted arms and legs, the ends of the legs being disposed between the arms and adapted to move the arms outwardly.

Another object is to provide a toy of this character wherein the arms may be moved independently of each other and the legs, or one arm and one leg moved independently of the opposite arm and leg to imitate various actions.

With these and other objects in view the invention consists in the improved construction and arrangement of parts to be herein after more particularly described, fully claimed and illustrated in the accompanying drawings, wherein:—

Figure 1 is a front elevation of a toy constructed in accordance with the embodiment of my invention, the movement of one of the arms being indicated in dotted lines.

Fig. 2 is a rear elevation.

Fig. 3 is a side elevation.

Referring to the drawings, 5 designates the body portion and 6 the head of the body portion. Legs 7 and 8 are provided, each of said legs including feet 9 and 10 at one end and have their opposite ends 11 and 12 tapered inwardly toward each other. Each leg is pivoted to the body 5 adjacent the ends 11 and 12 as at 13.

A pair of arms are provided, the arm 14 being pivoted at its end portion to the body 5, the arm being bent at the elbow and having a cane in the hand thereof. The arm 14 includes an extension 15 which extends downwardly, one side surface being disposed in the plane of the end of the arm. The arm 16 is pivoted at its end portion to the body 5 in spaced relation to the arm 14, the arm 16 being bent in the elbow and

having a hat 17 in the hand thereof, the hat being applied and removed from the head of the figure in the movement of the arms and legs. The arm 16 includes an extension 18 similar to the extension 15, the extension 18 extending downwardly and having one side disposed in the plane of the end of the arm 16.

The ends 11 and 12 of the legs 7 and 8 extend upwardly between the inner surface of the extensions and are intended to be engaged by the same. An expansible and contractable member such as the spring 19 has one of its ends connected to the extension 15 and the other end connected to the extension 18, said spring being adapted to force the extensions toward each other into engagement with the ends 11 and 12 of the legs, and also to force said ends of the legs into engagement with each other. Stop members 20 are carried by the body, adjacent the outer surface of the extension to limit outward movement of the arm. Similar stops 21 are carried by the body between the ends 11 and 12 of the legs to limit inward movement of the legs.

The toy can be operated in several ways, for instance, the first way consists of moving the legs 7 and 8 toward each other. This causes the ends 11 and 12 to engage the extensions 15 and 18 and force the same outwardly, thereby causing the arms to swing upwardly and permitting the arm 16 to apply the hat to the head 6 of the body. When the legs are released, the spring 19 contracts, thereby forcing the extensions 15 and 18 toward each other together with the ends 11 and 12 of the legs, the inward movement of the legs being limited or stopped by contact of said ends, and centrally of the figure by the stops 21. The second method of operating consists of grasping the body and moving one leg toward the opposite leg, thereby causing the extension engaged with said leg to be moved outwardly and permit the arm to swing upwardly. The third method consists of grasping and holding one of the legs stationary and moving the opposite leg toward the stationary leg. This causes the body to swing downwardly toward the moving leg and also causes both arms to move upwardly in the usual manner. The fourth method consists in moving either one or both of the arms independently of the legs. It will thus be seen that a variety of move-

ments may be reproduced without changing the mechanism of the figure in any way.

From the foregoing it will be readily seen that this invention provides a novel toy, which, in view of its simplicity can be easily operated, and affords an unlimited amount of amusement in view of the various movements it is capable of producing.

I, of course, do not desire to limit myself to the particular character illustrated in the drawing, as the toy can be produced to represent any well known character.

The invention having been set forth, what is claimed as new and useful is:

1. A toy figure comprising a body portion, legs and arms pivoted to said body portion, said legs having extensions operatively engaged with the arms, and expandible and contractable means urging the arms into engagement with extensions of the legs.

2. A toy figure comprising a body portion, legs and arms pivoted to said body portion, said legs having extensions, said extensions being disposed between the arms and in engagement with each other, and expandible and contractable means constantly urging said arms into engagement with the extensions.

3. A toy figure comprising a body portion, legs and arms pivoted to said body portion, said legs having extensions, and expandible and contractable means urging the arms toward each other, the extensions of the legs being disposed between and in engagement with the arms, said arms and legs being simultaneously movable toward or away from each other.

4. A toy figure comprising a body portion, legs pivoted to said body portion, said legs including extensions, arms pivoted to said body portion on each side of the legs, one of said arms being provided with a head gear, and expandible and contractable means urging the arms into engagement with the extensions, the head gear of said arm being applied to the head upon movement of the pivoted end portions of the arms away from each other and removed from the head upon movement of the pivoted end portions of the arms toward each other.

5. A toy figure comprising a body portion, legs and arms pivoted to said body portion, extensions carried by said legs, and expandible and contractable means urging said extensions into engagement with each other through the medium of the arms, said extensions being movably disposed between

ends of the arms, each of said legs being movable with the adjacent arm independently of the opposite leg and arm.

6. A toy figure comprising a body portion, legs and arms pivoted to said body portion, extensions carried by said legs, said extensions being disposed between the arms, and resilient means connected to the confronting end portions of the arms, said resilient means urging the arms and legs into engagement with each other, the extensions causing the adjacent end portions of the arms to move away from each other when the lower end portions of the legs are moved toward each other against the tension of the resilient means.

7. A toy figure comprising a body portion, legs and arms pivoted adjacent one of their end portions to the body portion, said legs having extensions, resilient means urging the end of each arm into engagement with the extension of the adjacent leg and said extensions into engagement with each other.

8. A toy figure comprising a body portion, legs pivoted adjacent one of their ends to the body portion, extensions projecting from said ends, arms pivoted at one of their ends above the extensions, each of the pivoted ends of the arms having an extension adapted to engage an extension of a leg, and a spring connected at its ends to one pair of the extensions, said spring urging the extensions of the arms toward each other and into engagement with the extensions of the legs, and the extensions of the legs into engagement with each other through the medium of the arms.

9. A toy figure comprising a body portion, legs pivoted adjacent one of their ends to the body portion, extensions projecting from said ends, arms pivoted at one of their ends to the body portion above the extensions, each of the pivoted ends of the arms having an extension adapted to engage an extension of a leg, and a spring connected at its ends to one pair of the extensions, said spring urging the extensions of the arms toward each other and into engagement with the extensions of the legs, and the extensions of the legs into engagement with each other, and means carried by the body portion for limiting outward movement of the arms and inward movement of the legs.

In testimony whereof I hereunto affix my signature.

WARREN R. ZIMMERMAN.