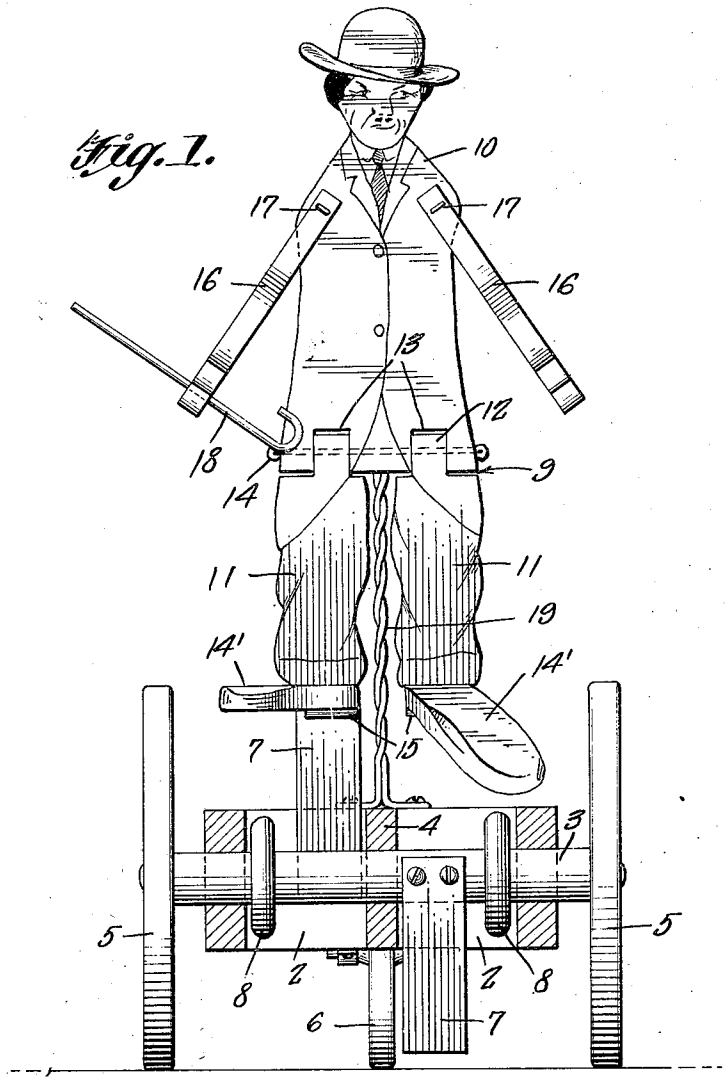
April 16, 1929. D. M. ATKINSON 1,709,703

TOY

Filed Sept. 24, 1928 2 Sheets-Sheet 1

Fig. 1.



Dina M. Atkinson,
INVENTOR

BY Victor J. Evans
ATTORNEY

P. A. Hickey
WITNESS:

April 16, 1929. D. M. ATKINSON 1,709,703

TOY

Filed Sept. 24, 1928 2 Sheets-Sheet 2

Fig. 2.

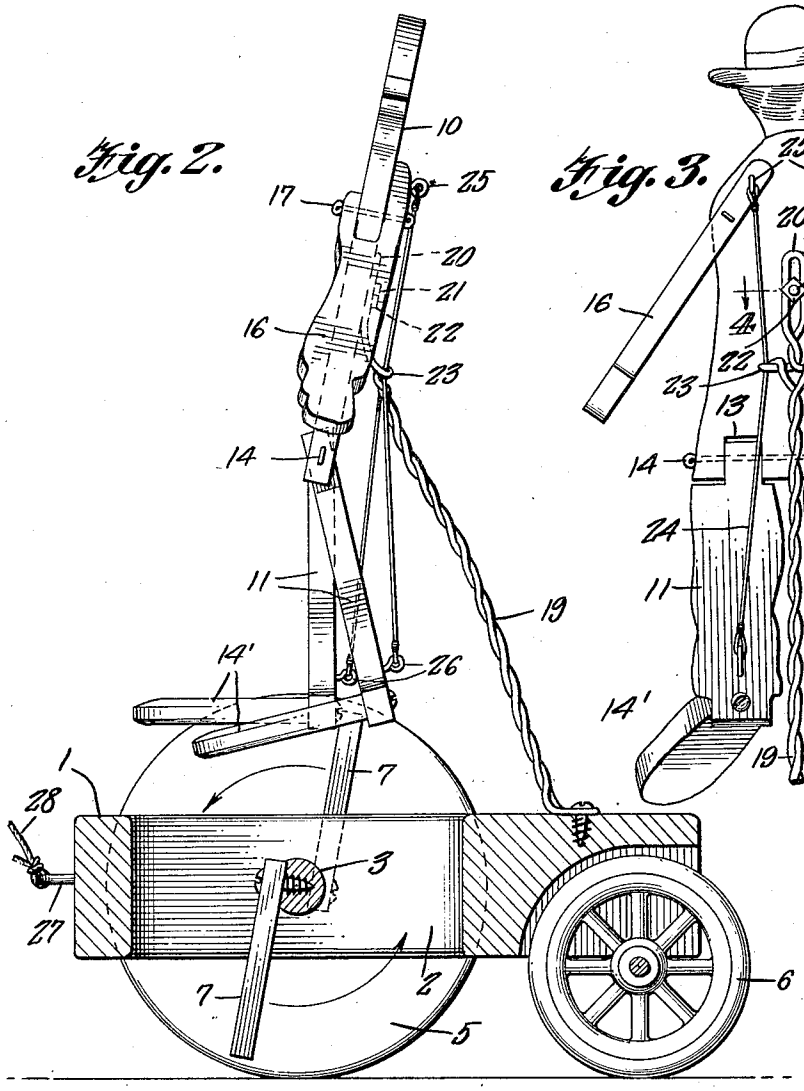
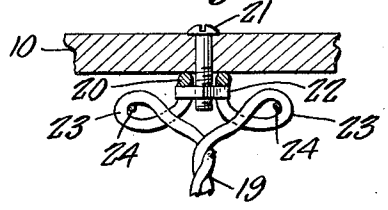


Fig. 3.

Fig. 4.



Dina M. Atkinson,
INVENTOR

BY Victor J. Evans
ATTORNEY

C. A. Hickey.
WITNESS:

Patented Apr. 16, 1929. 1,709,703

UNITED STATES PATENT OFFICE.

DINA M. ATKINSON, OF FITCHBURG, MASSACHUSETTS.

TOY.

Application filed September 24, 1928. Serial No. 308,072.

My present invention has reference to a wheeled figure toy.

My object is the provision of a toy adapted, when operated, to impart motion to a yieldably supported jointed figure on a wheeled platform of the toy, to cause the legs of such figure to simulate a shuffling walking movement, to impart a lateral jerky swinging movement to the arms of the figure and a swaying movement to the body thereof and thereby produce a grotesque and amusing effect.

A further object is the provision of a wheeled figure toy that shall be of a simple construction, which may be cheaply manufactured and marketed, which will also be strong and sturdy and positive in operation.

To the attainment of the foregoing and many other objects which will present themselves, the invention consists in the improvement as hereinafter described and definitely claimed.

In the drawings:

Figure 1 is a front elevation of my improved wheeled toy, a portion of the platform being in section.

Figure 2 is a side elevation thereof, with parts in section.

Figure 3 is a rear elevation of the jointed figure.

Figure 4 is a detail sectional view approximately on the line 4—4 of Figure 3.

In the showing of the drawings the jointed manikin is shaped to represent the figure of the actor known as Charlie Chaplin and will, when operated, simulate the grotesque gait and gestures of this actor. Obviously other jointed figures may be substituted in lieu of that illustrated and likewise more than one figure may be arranged upon and actuated by the movement of the wheeled platform.

The body 1 of the platform is preferably in the nature of a wooden block which, adjacent to its forward end is provided with a pair of spaced longitudinal openings 2, respectively. A shaft 3 is journaled transversely through openings in the platform, the said shaft passing centrally through the openings 2 and through the partition 4 that divides the said openings 2. The shaft has fixed on its ends suitable ground wheels 5. The platform has its rear supported by the shaft for a caster wheel 6 which is arranged centrally with respect to the body 1 and which, as disclosed by Figure 2 of the drawings, has its upper part received in a notch or cut-away portion in the said body.

Fixed on the shaft 3, at the portions thereof received in the openings 2 there are oppositely directed plates 7, respectively. These plates are in the nature of cams whose high points are mutually oppositely disposed, the said cams being freely movable on the turning of the wheels 5 and axle 3 through the openings 2. The axle 3 is held from longitudinal movement through the medium of stop discs 8 that are fixed thereon and are disposed for slight contact with the outer walls provided by the openings 2 in the body 1.

The jointed figure or manikin is broadly indicated by the numeral 9 and as disclosed by the drawings is supported a suitable distance above the wheeled platform 1. The body of the figure is indicated by the numeral 10, and the legs thereof by the numerals 11. The figure including the legs thereof are formed of flat material, preferably of wood, and the legs 11 have their upper ends provided with reduced portions or tongue 12 that are loosely received in notches 13 on the lower edge of the body 10, a pivot pin 14 passing transversely through the body and through the reduced portions 12 of the legs. The opposite or lower end of each of the legs 11 has fixedly secured thereto a downwardly inclined foot portion 14; and the respective foot portions are disposed at opposite outward angles with respect to each other. The rear of the foot portions have fixed thereon plates 15 and these plates are in the path of contact with the cams 7.

The body 10, at the shoulder portion thereof is provided with oppositely inclined arms 16, respectively. The arms are also preferably in the nature of wooden strips, one of whose ends is bifurcated to receive therein the shouldered portion of the said body 10, loose pivots 17 passing through these ends of the arms and through the body 10. One of the arms 16 has its outer and hand end provided with a rod 18, one end of which is curved, and the said rod is designed to represent a walking stick or cane, such as is commonly employed by the actor the Figure 9 simulates.

Fixed on the top of the wheeled platform 1, adjacent to the rear thereof there is the resilient support for the Figure 9, the support, preferably being in the nature of a spring wire 19 which for the major portion of its length is twisted upon itself. The upper or

free end of the spring wire is formed with a loop 20 and passing through this loop and through the body of the jointed figure or manikin there is a bolt 21 that is engaged by a nut 22, the said nut contacting with the arms of the loop 20, and whereby the figure is not only yieldably supported upon the wheeled platform 1 but is vertically adjustably secured thereon. The strands constituting the wire support 19, below the loop 20, are formed with oppositely disposed eyes 23 and through these eyes there are guided wires 24, respectively. The wires 24 have their upper ends connected, as at 25, to the respective arms 16 above their points of articulation and their lower ends connected to means 26 at the rear of the legs of the figure directly above the foot portions thereof.

An eye or staple 27 is attached to the front of the wheeled platform and secured to this eye or staple there is a cord or cable 28 by which the wheeled platform is drawn along the ground surface. The movement of the wheels of the platform will cause the cam members 7 to alternately contact with the heel portions 15 of the legs 11 of the figure, thereby swinging the legs to impart a shuffling walking movement to the figure. The swinging of the legs will draw upon the wire or flexible elements 24, causing the latter to exert a pull upon the arms 16. The weighted legs will return to initial position after being contacted by the cams 7, and likewise the weighted arms 16 will return to their initial position when the tension on the wires or flexible elements 24 is released. The legs of the manikin are thus imparted a shuffling walking movement, the arms a quick jerky swinging movement, and the body-incident to its resilient support 19 is imparted a swaying movement. The swaying of the body is increased by the tensioning of the wires or flexible elements 24, the said elements passing through the eyes of the resilient or spring support 19 will cause a slight lateral swaying of the body of the figure and likewise a forward and rearward swinging or swaying of such body.

Having described the invention, I claim:

1. A toy of the class described, comprising a wheeled platform, oppositely directed cams rotated by the turning of the wheels of the platform, a manikin comprising a body having pivoted arms and hinged legs, angle feet on the legs, resilient means for adjustably supporting the body above the platform, flexible elements connecting the legs to the arms of the manikin above the pivotal connection of the latter with the body and the heel portions of the feet of the manikin being in the path of engagement with the cams.

2. A toy of the class described comprising a wheeled platform, oppositely directed cams rotated by the turning of the wheels of the platform, a manikin comprising a body having arms loosely pivoted thereto and having depending legs likewise loosely pivoted thereto and said legs merging into angularly disposed foot portions, each of which being provided with a heel, a spring wire which is arched and has one end fixed on the platform and its second end formed with a loop, an adjustable elements passing through the loop for supporting the body thereon, oppositely directed eyes formed with the wire, flexible elements connected respectively with the arms above their pivots and with the legs of the manikin and guided through the eyes, and the heel portions of the manikin being in the path of contact with the cams.

In testimony whereof I affix my signature.

DINA M. ATKINSON.